

## **Environmental Protection Agency**

## **§ 302.3**

potentially responsible parties to undertake response actions.

(e) Because state and local public safety organizations would normally be the first government representatives at the scene of a discharge or release, they are expected to initiate public safety measures that are necessary to protect the public health and welfare and that are consistent with containment and cleanup requirements in the NCP, and are responsible for directing evacuations pursuant to existing state or local procedures.

[59 FR 47473, Sept. 15, 1994]

### **PART 302—DESIGNATION, REPORTABLE QUANTITIES, AND NOTIFICATION**

Sec.

- 302.1 Applicability.
- 302.2 Abbreviations.
- 302.3 Definitions.
- 302.4 Designation of hazardous substances.
- 302.5 Determination of reportable quantities.
- 302.6 Notification requirements.
- 302.7 Penalties.
- 302.8 Continuous releases.

AUTHORITY: 42 U.S.C. 9602, 9603, and 9604; 33 U.S.C. 1321 and 1361.

SOURCE: 50 FR 13474, Apr. 4, 1985, unless otherwise noted.

#### **§ 302.1 Applicability.**

This regulation designates under section 102(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (“the Act”) those substances in the statutes referred to in section 101(14) of the Act, identifies reportable quantities for these substances, and sets forth the notification requirements for releases of these substances. This regulation also sets forth reportable quantities for hazardous substances designated under section 311(b)(2)(A) of the Clean Water Act.

#### **§ 302.2 Abbreviations.**

- CASRN=Chemical Abstracts Service Registry Number  
RCRA=Resource Conservation and Recovery Act of 1976, as amended  
lb=pound  
kg=kilogram  
RQ=reportable quantity

#### **§ 302.3 Definitions.**

As used in this part, all terms shall have the meaning set forth below:

*The Act, CERCLA, or Superfund* means the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Pub. L. 96-510);

*Administrator* means the Administrator of the United States Environmental Protection Agency (“EPA”);

*Consumer product* shall have the meaning stated in 15 U.S.C. 2052;

*Environment* means (1) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Fishery Conservation and Management Act of 1976, and (2) any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States;

*Facility* means (1) any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly owned treatment works), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft, or (2) any site or area where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel;

*Hazardous substance* means any substance designated pursuant to 40 CFR part 302;

*Hazardous waste* shall have the meaning provided in 40 CFR 261.3;

*Navigable waters or navigable waters of the United States* means waters of the United States, including the territorial seas;

*Offshore facility* means any facility of any kind located in, on, or under, any of the navigable waters of the United States, and any facility of any kind which is subject to the jurisdiction of the United States and is located in, on, or under any other waters, other than a vessel or a public vessel;

*Onshore facility* means any facility (including, but not limited to, motor vehicles and rolling stock) of any kind located in, on, or under, any land or

## § 302.4

non-navigable waters within the United States;

*Person* means an individual, firm, corporation, association, partnership, consortium, joint venture, commercial entity, United States Government, State, municipality, commission, political subdivision of a State, or any interstate body;

*Release* means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment, but excludes (1) any release which results in exposure to persons solely within a workplace, with respect to a claim which such persons may assert against the employer of such persons, (2) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine, (3) release of source, byproduct, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under section 170 of such Act, or for the purposes of section 104 of the Comprehensive Environmental Response, Compensation, and Liability Act or any other response action, any release of source, byproduct, or special nuclear material from any processing site designated under section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and (4) the normal application of fertilizer;

*Reportable quantity* means that quantity, as set forth in this part, the release of which requires notification pursuant to this part;

*United States* include the several States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Commonwealth of the North-

## 40 CFR Ch. I (7-1-00 Edition)

ern Marianas, and any other territory or possession over which the United States has jurisdiction; and

*Vessel* means every description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water.

### § 302.4 Designation of hazardous substances.

(a) *Listed hazardous substances.* The elements and compounds and hazardous wastes appearing in table 302.4 are designated as hazardous substances under section 102(a) of the Act.

(b) *Unlisted hazardous substances.* A solid waste, as defined in 40 CFR 261.2, which is not excluded from regulation as a hazardous waste under 40 CFR 261.4(b), is a hazardous substance under section 101(14) of the Act if it exhibits any of the characteristics identified in 40 CFR 261.20 through 261.24.

NOTE: The numbers under the column headed "CASRN" are the Chemical Abstracts Service Registry Numbers for each hazardous substance. Other names by which each hazardous substance is identified in other statutes and their implementing regulations are provided in the "Regulatory Synonyms" column. The "Statutory RQ" column lists the RQs for hazardous substances established by section 102 of CERCLA. The "Statutory Code" column indicates the statutory source for designating each substance as a CERCLA hazardous substance: "1" indicates that the statutory source is section 311(b)(4) of the Clean Water Act, "2" indicates that the source is section 307(a) of the Clean Water Act, "3" indicates that the source is section 112 of the Clean Air Act, and "4" indicates that the source is RCRA section 3001. The "RCRA Waste Number" column provides the waste identification numbers assigned to various substances by RCRA regulations. The column headed "Category" lists the code letters "X," "A," "B," "C," and "D," which are associated with reportable quantities of 1, 10, 100, 1000, and 5000 pounds, respectively. The "Pounds (kg)" column provides the reportable quantity adjustment for each hazardous substance in pounds and kilograms.

**§ 302.4****Environmental Protection Agency**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES**  
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Acenaphthene .....	83329	.....	1*	2	B	100 (45.4)
Acenaphthylene .....	208968	.....	1000	1,3,4	D	5000 (2270)
Acetaldehyde .....	107200	Ethanal .....	1*	4	C	1000 (454)
Acetaldehyde, chloro- .....	75876	Chloroacetaldehyde .....	1*	4	C	1000 (454)
Acetaldehyde, trichloro- .....	60355	Chloral .....	1*	3	D	5000 (2270)
Acetamide .....	591082	.....	1*	4	C	100 (45.4)
Acetamide, N-(aminothiomethyl)- .....	62442	1-Acetyl-2-thiourea .....	1*	4	C	1000 (454)
Acetamide, N-(4-ethoxyphenyl)- .....	640197	Phenacetin .....	1*	4	B	100 (45.4)
Acetamide, 2-fluoro- .....	53963	Fluoracetamide .....	1*	4	B	100 (45.4)
Acetamide, N-9H-fluoren-2-yl- .....	64197	2-Acetylaminofluorene .....	1000	3,4	X	1 (0.454)
Acetic acid .....	94757	.....	100	1	D	5000 (2270)
Acetic acid (2,4-dichlorophenoxy), salts & esters .....	301042	2,4-D salts and esters .....	100	1,3,4	B	100 (45.4)
Acetic acid, Lead(2+) salt .....	563688	Lead acetate .....	5000	1,4	A	10 (4.54)
Acetic acid, thallium (1+) salt .....	93765	Thallium(I) acetate .....	100	1,4	B	100 (45.4)
Acetic acid, (2,4,5-trichlorophenoxy) .....	2,4,5-T	2,4,5-T .....	100	1,4	C	1000 (454)
Acetic acid, ethyl ester .....	141786	Ethyl acetate .....	1*	4	D	5000 (2270)
Acetic acid, fluoro-, sodium salt .....	62748	Fluoroacetic acid, sodium salt .....	1000	1	A	10 (4.54)
Acetic anhydride .....	108247	.....	1000	1	D	5000 (2270)
Acetone .....	67641	2-Propanone .....	1*	4	D	5000 (2270)
Acetone cyanohydrin .....	75865	Propanenitrile, 2-hydroxy-2-methyl-2-Methylacetonitrile, .....	10	1,4	D	10 (4.54)
Acetonitrile .....	75058	.....	1*	3,4	D	5000 (2270)
Acetophone .....	98862	Ethanone, 1-phenyl- .....	1*	3,4	D	5000 (2270)
Acetyl bromide .....	53963	Acetamide, N-9H-fluoren-2-yl- .....	1*	3,4	X	1 (0.454)
Acetyl chloride .....	506967	.....	5000	1,4	D	5000 (2270)
Acrylic acid .....	75365	.....	5000	1,4	D	5000 (2270)
Acrylamide .....	591082	Acetamide, N-(aminothiomethyl)- .....	1*	4	P002	1000 (454)
Acrolein .....	107028	2-Propenal .....	1	1,2,3,4	P003	1 (0.454)
Acrylamide .....	79061	2-Propenamide .....	1*	3,4	U007	5000 (2270)
Acrylic acid .....	79107	2-Propenoic acid .....	1*	3,4	U008	5000 (2270)
Acrylonitrile .....	107131	2-Propenenitrile .....	100	1,2,3,4	U009	100 (45.4)
Adipic acid .....	124049	.....	5000	1	D	5000 (2270)
Aldicarb .....	116063	Propanal, 2-methyl-2-(methylthio)-O-(methylaminocarbonyl)oxime .....	1*	4	P070	1 (0.454)
Aldrin .....	309002	1,4,5,8-Dimethylanthra[naphthalene, 1,2,3,4,10-10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 7,abeta, 5,alpah, 8alpah, 8beta)-, 2-Propen-1-ol .....	1	1,2,4	P004	1 (0.454)
Alli alcohol .....	107186	.....	100	1,4	P005	B
						100 (45.4)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Allyl chloride .....	107051.....	.....	1000	1,3	P006	C
Aluminum phosphide .....	20869738.....	.....	1*	4	.....	1000 (454)
Aluminum sulfate .....	10043013.....	.....	5000	1	.....	100 (454)
4-Aminobiphenyl .....	92671.....	.....	1*	3	.....	5000 (2270)
5-(Aminomethyl)-3-isoxazolol .....	2763864.....	Muscimol 3(2H)-isoxazolone, 5-(aminomethyl)-	1*	4	P007	X
4-Aminopyridine .....	504245.....	4-Pyridinamine .....	1*	4	P008	C
Amitrole .....	61825.....	1H-1,2,4-Triazol-3-amine .....	1*	4	U011	A
Ammonia .....	7664417.....	.....	100	1	.....	10 (454)
Ammonium acetate .....	631618.....	.....	5000	1	.....	100 (454)
Ammonium benzoate .....	1863634.....	.....	5000	1	.....	5000 (2270)
Ammonium bicarbonate .....	1066337.....	.....	5000	1	.....	5000 (2270)
Ammonium bichromate .....	7789095.....	.....	1000	1	.....	10 (454)
Ammonium bitellurate .....	1341497.....	.....	5000	1	.....	100 (454)
Ammonium bisulfite .....	10192360.....	.....	5000	1	.....	5000 (2270)
Ammonium carbonate .....	1111780.....	.....	5000	1	.....	5000 (2270)
Ammonium chloride .....	506876.....	.....	5000	1	.....	5000 (2270)
Ammonium chromate .....	12125029.....	.....	5000	1	.....	5000 (2270)
Ammonium citrate, dibasic .....	7789889.....	.....	1000	1	.....	10 (454)
Ammonium fluoride .....	3012655.....	.....	5000	1	.....	5000 (2270)
Ammonium fluoroborate .....	13826830.....	.....	5000	1	.....	5000 (2270)
Ammonium fluoride .....	12125018.....	.....	5000	1	.....	100 (454)
Ammonium hydroxide .....	1336216.....	.....	1000	1	.....	1000 (454)
Ammonium oxalate .....	5972736.....	.....	5000	1	.....	5000 (2270)
Ammonium picrate .....	14258492.....	.....	1*	4	P009	A
Ammonium silicofluoride .....	131748.....	Phenol, 2,4,6-trinitro-, ammonium salt .....	1000	1	.....	10 (454)
Ammonium sulfamate .....	16919390.....	.....	5000	1	.....	1000 (454)
Ammonium sulfide .....	7773060.....	.....	5000	1	.....	5000 (2270)
Ammonium sulfite .....	12135761.....	.....	5000	1	.....	100 (454)
Ammonium tartrate .....	10196040.....	.....	5000	1	.....	5000 (2270)
Ammonium thiocyanate .....	14307438.....	.....	5000	1	.....	5000 (2270)
Ammonium vanadate .....	3164292.....	.....	5000	1	.....	5000 (2270)
Amyl acetate .....	1762954.....	.....	1*	4	P119	C
Iso-Amyl acetate .....	7803556.....	Vanadic acid, ammonium salt .....	1000	1	.....	1000 (454)
sec-Amyl acetate .....	628337.....	.....	5000	1	.....	5000 (2270)
tert-Amyl acetate .....	123892.....	.....	5000	1	.....	5000 (2270)
Aniline .....	626380.....	.....	1000	1,3	U012	D
o-Anisidine .....	625161.....	.....	1000	1*	.....	5000 (2270)
Anthracene .....	90040.....	.....	1000	2	.....	100 (454)
	120127.....	.....			.....	5000 (2270)

Environmental Protection Agency

§ 302.4

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Arsenic oxide As <sub>2</sub> O <sub>5</sub> .....	1303282	Arsenic pentoxide	5000	P011	X	1 (0.454)
Arsenic pentoxide .....	1303282	Arsenic oxide As <sub>2</sub> O <sub>5</sub> .....	5000	P011	X	1 (0.454)
Arsenic trichloride .....	7784341	Arsenic oxide As <sub>2</sub> O <sub>3</sub> .....	5000	P012	X	1 (0.454)
Arsenic trioxide .....	1327533	Arsenic oxide As <sub>2</sub> O <sub>3</sub> .....	5000	P012	X	1 (0.454)
Arsenic triulfide .....	1303339	Diethylarsine .....	1*	P038	X	1 (0.454)
Arsine, diethyl- .....	692422	Cacodylic acid .....	1*	U136	X	1 (0.454)
Arsinic acid, dimethyl- .....	75605	Dichlorophenylarsine .....	1*	P036	X	1 (0.454)
Asbestos dichloride, phenyl- .....	696286	Benzanamine, 4,4'-carbonimidoyl bis (N,N-dimethyl)- .....	1*	U014	B	1 (0.454)
Asbestos trioxide .....	1332214	L-Serine, diazoacetate (ester) .....	1*	P054	X	1 (0.454)
Auramine .....	492808	Ethylenimine .....	1*	P067	X	1 (0.454)
Azaserine .....	115026	2-Methyl aziridine 1,2-Propylenimine .....	1*	U015	X	1 (0.454)
Aziridine, 2-methyl- .....	151564	Mitomyan C .....	1*	U010	A	10 (4.54)
Aziridine, 2-methyl- [azirinol[2,3-4]pyrrolol[1,2-a]indole-4,7-dione, 6-amino-8-methyl-[1aS-(1a[alpha],8beta,8a[alpha],8b[alpha])]-Barium cyanide .....	50077	3-Methylcholanthrene .....	10	P013	A	10 (4.54)
Benzilic acid .....	542621	Benzene, dichloromethyl- .....	1*	U157	A	10 (4.54)
Benzilic anhydride, 1,2-dihydro-3-methyl- .....	56495	Pronamide .....	1*	U016	B	100 (45.4)
Benzilic acid .....	225514	Benzolanthracene .....	1*	U017	D	5000 (2270)
Benzilic acid .....	98873	1,2-Benzanthracene .....	1*	U192	D	5000 (2270)
Benzimididine .....	23950585	Benzolanthracene .....	1*	U018	A	10 (4.54)
Benzimidazole, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)- .....	56553	1,2-Benzanthracene .....	1*	U018	A	10 (4.54)
Benzajanthantracene .....	56553	Benzolanthracene .....	1*	U018	A	10 (4.54)
1,2-Benzanthracene .....	57976	7,12-Dimethylbenzolanthracene .....	1*	U094	X	1 (0.454)
Benzajanthantracene, 7,12-dimethyl- .....	62533	Aniline .....	1000	U012	D	5000 (2270)
Benzanamine .....	492808	Aramidine .....	1*	U014	B	100 (45.4)
Benzanamine, 4,4'-carbonimidoyl bis (N,N-dimethyl)- .....	106478	p-Chloroaniline .....	1*	P024	C	1000 (45.4)
Benzanamine, 4-chloro- .....	3165933	4-Chloro-o-toluidine, hydrochloride .....	1*	U049	B	100 (45.4)
Benzanamine, 4-chloro-2-methyl-, hydrochloride .....	60117	Dimethyl aminoazobenzene .....	1*	U093	A	10 (4.54)
Benzanamine, N,N-dimethyl-4-(phenylazo)- .....	95534	p-Dimethylaminoazobenzene .....	1*	U328	B	100 (45.4)
Benzanamine, 2-methyl- .....	106490	o-Toluidine .....	1*	U353	B	100 (45.4)
Benzanamine, 4-methyl- .....	101144	p-Toluidine .....	1*	U158	A	10 (4.54)
Benzanamine, 4,4'-methylenebis(2-chloro- .....	636215	4,4'-Methylenebis(2-chloroaniline) .....	1*	U222	B	100 (45.4)
Benzanamine, 2-methyl-, hydrochloride .....	99858	o-Toluidine hydrochloride .....	1*	U181	B	100 (45.4)
Benzanamine, 2-methyl-5-nitro- .....	100016	5-Nitro-o-toluidine .....	1*	P077	D	5000 (2270)
Benzene .....	71432	p-Nitroaniline .....	1000	U109	A	10 (4.54)
Benzeneacetic acid, 4-chloro- $\alpha$ -(4-chlorophenyl)- $\alpha$ -hydroxy-, ethyl ester .....	510156	Chlorbenzilate .....	1*	U038	A	10 (4.54)

**Environmental Protection Agency**
**§ 302.4**

Benzene, 1-bromo-4-phenoxy-	101553	4-Bromophenyl phenyl ether .....	1*	2,4	U030	B
Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-	305033	Chlortambucil .....	1*	4	U035	A
Benzene, chloro-	108907	Chlorbenzene .....	100	1,2,3,4	U037	B
Benzene, chloromethyl-	100447	Benzyl chloride .....	100	1,3,4	P028	B
Benzenediamine, ar-methyl-	95807	Toluenediamine .....	1*	3,4	U221	A
	496720	2,4-Toluene diamine	1*	2,4	U107	D
	823405		1*	2,3,4	U028	B
1,2-Benzenedicarboxylic acid, diocyl ester	25376458	Di-n-octyl phthalate .....	100	1,2,3,4	U069	A
1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester	117840	Di-n-octyl phthalate .....	1*	2,4	U107	D
	117817	Bis(2-ethylhexyl)phthalate .....	1*	2,3,4	U028	B
1,2-Benzenedicarboxylic acid, dibutyl ester	84742	Diethylhexyl phthalate .....	100	1,2,3,4	U069	A
		n-Butyl phthalate .....	1*	2,4	U088	C
		Di-n-butyl phthalate .....	1*	2,3,4	U102	D
		Di-n-butyl phthalate .....	100	1,2,4	U070	B
1,2-Benzenedicarboxylic acid, diethyl ester	84662	Dimethyl phthalate .....	1*	2,4	U088	C
1,2-Benzenedicarboxylic acid, dimethyl ester	131113	Dimethyl phthalate .....	1*	2,3,4	U102	D
Benzene, 1,2-dichloro-	95501	o-Dichlorobenzene .....	100	1,2,4	U070	B
Benzene, 1,3-dichloro-	541731	m-Dichlorobenzene .....	1*	2,4	U071	B
Benzene, 1,4-dichloro-	106467	1,3-Dichlorobenzene .....	100	1,2,3,4	U072	B
	72548	p-Dichlorobenzene .....	1*	2,4	U060	X
		1,4-Dichlorobenzene .....	1	1,2,4	U060	X
		DDD .....	1*	3,4	U017	D
		4,4' DDD	1*	3,4	U223	B
		TDE .....	1*	3,4	U060	X
Benzene, 1,1'-(2,2-dichlorothiophenylene)bis[4-chloro-	98873	Benzal chloride .....	1000	1,3,4	U239	B
Benzene, 1,3-disiocyanatomethyl-	91087	Toluene disiocyanate .....	1000	1,3,4	U239	B
	584849	2,4-Toluene disiocyanate	1000	1,3,4	U239	B
	26471625		1000	1,3,4	U239	B
Benzene, dimethyl-	1330207	Xylene .....	1000	1,3,4	U239	B
		Xylenes (isomers and mixture)	1000	1,3,4	U239	B
Benzene,m-dimethyl-	108383	m-Xylene .....	1*	3	C	C
Benzene, o-dimethyl-	106423	o-Xylene .....	1*	3	C	C
Benzene, p-dimethyl-	108463	p-Xylene .....	1000	1,4	U201	B
1,3-Benzenediol	51434	Resorcinol .....	1000	1,4	P042	C
1,2-Benzenediol,4-[1-hydroxy-2-(methylaminooethyl)-	122098	Epinephrine .....	1000	1,4	P046	D
Benzeneethanamine, alpha,alpha-dimethylphenethylamine	118741	alpha,alpha-Dimethylphenethylamine .....	1000	1,4	U127	A
Benzene, hexachloro-	110827	Hexachlorobenzene .....	1000	1,4	U056	C
Benzene, hexahydro-	108952	Cyclohexane .....	1000	1,2,3,4	U188	C
Benzene, hydroxy-	108883	Phenol .....	1000	1,2,3,4	U220	C
Benzene, methyl-	606202	2,6-Dinitrotoluene .....	1000	1,2,4	U106	B
Benzene, 2-methyl-1,3-dinitro-	121142	2,4-Dinitrotoluene .....	1000	1,2,3,4	U105	A
Benzene, 1-methyl-2,4-dinitro-	98828	Cumene .....	1000	1,2,3,4	U055	D
Benzene, (1-methylethyl)-	98953	Nitrobenzene .....	1000	1,2,3,4	U169	C
Benzene, nitro-	608935	Pentachlorobenzene .....	1000	1,2,3,4	U183	A
Benzene, pentachloro-			1*	4	10	(454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code <sup>†</sup>	RCRA Waste Number		
Benzene, pentachloronitro-	82688	PCNB Pentachloronitrobenzene Quintobenzene	1*	3.4	U185	B	100 (45.4)
Benzenesulfonic acid chloride	98099	Benzensulfonyl chloride	1*	4	U020	B	100 (45.4)
Benzenesulfonyl chloride	98099	Benzensulfonic acid chloride	1*	4	U020	B	100 (45.4)
Benzene, 1,2,4,5-tetrachloro-	95943	1,2,4,5-Tetrachlorobenzene	1*	4	U207	D	5000 (2270)
Benzeneol	108985	Thiophenol	1*	4	P014	B	100 (45.4)
Benzene, 1,1-(2,2,2-tri- chloroethylidene)bis[4-chloro-	50293	DDT	1	1,2,4	U061	X	1 (0.454)
Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-	72435	4,4'DDT Methoxychlor	1	1,3,4	U247	X	1 (0.454)
Benzene, (trichloromethyl)-	98077	Benzotrichloride	1*	3,4	U023	A	10 (4.54)
Benzene, 1,3,5-trinitro-	99354	1,3,5-Trinitrobenzene	1*	3,4	U234	A	10 (4.54)
Benzidine	92875	[1,1'-Biphenyl]-4,4'-diamine	1*	2,3,4	U021	X	1 (0.454)
1,2-Benzothiazol-3(2H)-one, 1,1-dioxide	81072	Saccharin and salts	1*	4	U202	B	100 (45.4)
Benzofuranthracene	56653	Benzofuranthracene	1*	2,4	U018	A	10 (4.54)
1,2-Benzanthracene	205992	1,2-Benzanthracene	1*	2			
Benzofluoranthene	207089	Fluoranthene	1*	2			
Benzof(k)fluoranthene	206440	Fluoranthene	1*	2,4	U120	D	1 (0.454)
Benzol(k)fluoranthene	22861826	Fluoranthene	1*	2,4	U364	B	5000 (2270)
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol), (Bendocarb)	120581	Isosatoole	1*	4	U278		##
1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendocarb)	94597	Safrole	1*	4	U141	B	100 (45.4)
1,3-Benzodioxole-5-(2-propenyl)-	94586	Dihydroosafrole	1*	4	U203	B	100 (45.4)
1,3-Benzodioxole, 5-propyl-	1563388		1*	4	U090	A	10 (4.54)
7-Benzotranol, 2,3-dihydro-2,2-dimethyl- (Carbolitran phenol)	65850		5000	1	U367		##
Benzoic acid	57647		1*	4	P188	D	5000 (2270)
Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3a,8a-hexahydro-1,3a,8-trimethylpyrrol[2,3-b]indol-5-yl ester (1:1) (Physostigmine salicylate).			1*	4			##
Benzonitrile	100470	Dibenz[2,1]ipyrene	1000	1	U064	D	5000 (2270)
Benzodiphilyperylene	189559		1*	2			10 (4.54)
Benzofluorophene	191242		1*	4	P001	B	5000 (2270)
2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl-butyl)-, & salts, when present at concentrations greater than 0.3%	81812	Warfarin, & salts, when present at concentrations greater than 0.3%.	1*	2,4	U022	X	1 (0.454)
Benzofluorophene	50328	3,4-Benzopyrene	1*	2,4	U022	X	1 (0.454)
3,4-Benzopyrene	50328	Benzofalapyrene	1*	3,4	U197	A	10 (4.54)
p-Benzoguiazine	106514	2,5-Cyclonexadiene-1,4-dione	1*	3,4			
Benzine	98077	Quinone	1*	3,4	U023	A	10 (4.54)
Chrysene	98884	(trichloromethyl)-	1000	1	U050	C	1000 (45.4)
	218019	Chrysene	1*	2,4			100 (45.4)

**Environmental Protection Agency**

**§ 302.4**

Benzyl chloride .....	100447	Benzene, chloromethyl-	100	1,3,4 P028	B	100 (45.4)
BERYLLIUM AND COMPOUNDS .....	N.A.	Beryllium Compounds .....	1*	2,3	**	**
Beryllium Compounds .....	7787475	BERYLLIUM AND COMPOUNDS .....	1*	1	1 (0.454)	(0.454)
Beryllium chloride .....	7787497		5000	1	X	1 (0.454)
Beryllium fluoride .....	13579894		5000	1	X	1 (0.454)
Beryllium nitrate .....	7787954		5000	1	X	1 (0.454)
Beryllium powder †† .....	7440417	Beryllium †† .....	1*	2,3,4 P015	A	10 (4.54)
alpha—BH <sub>C</sub> .....	319846		1*	2	A	10 (4.54)
beta—BH <sub>C</sub> .....	319857		1*	2	X	1 (0.454)
delta—BH <sub>C</sub> .....	319868		1*	2	X	1 (0.454)
gamma—BH <sub>C</sub> .....	58899	Cyclohexane, 1,2,3,4,5,6-hexa chloro- (1 $\alpha$ , 2 $\alpha$ , 3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )- Hexachlorocyclohexane (gamma isomer)	1	1,2,3,4 U129	X	1 (0.454)
Lindane .....	1464535	Lindane	1*	4 U085	A	10 (4.54)
2,2'-Bioxirane .....	92875	1,2,3,4-Diepoxybutane	1*	2,4 U021	X	1 (0.454)
Benzidine .....	91941	Benzidine	1*	1 U073	X	1 (0.454)
[1,1'-Biphenyl]4,4-diamine,3,3'dichloro-[1,1'-Biphenyl]4,4-diamine,3,3'dimethoxy-[1,1'-Biphenyl]4,4-diamine,3,3'dimethyl-Biphenyl .....	119804	3,3'Dimethoxybenzidine .....	1*	4 U091	B	100 (45.4)
Bis (2-chloroethyl) ether .....	92524	3,3'Dimethylbenzidine	1*	4 U095	A	10 (4.54)
Dichloroethyl ether .....	111444	Dichloroethyl ether	1*	3 U025	B	100 (45.4)
Ethane, 1,1'-oxybis[2-chloro-Dichloromethylene]ethane .....	111911	Ethane, 1,1'-{methylenebis(oxy)}bis[2-chloro-Diethylhexyl phthalate .....	1*	2,4 U024	C	1000 (454)
Bis(2-chloroethoxy) methane .....	117817	Diethylhexyl phthalate	1*	2,4 U028	B	100 (45.4)
Bis (2-ethylhexyl)phthalate .....		[bis(2-ethylhexyl) ester, 1,2-Benzodicarboxylic acid,				
Bromoacetone .....	598312	2-Propanone, 1-bromo-Methane, tribromo-Benzene, 1-bromo- <sup>14</sup> C-Phenoxy-Strychnidin-10-one, 2,3-dimethoxy-Hexachlorobutadiene .....	1*	4 P017	C	1000 (454)
Bromotform .....	75252	101553 MEK .....	1*	2,4 U225	B	100 (45.4)
4-Bromophenyl phenyl ether .....		357573 Styrchnidin-10-one, 2,3-dimethoxy-Hexachlorobutadiene .....	1*	4 U030	B	100 (45.4)
Brucine .....		87883 N,N-Dimethylbenzylamine .....	1*	4 P018	B	100 (45.4)
1,3-Butadiene, 1,1,2,3,4,4-Hexachloro-1,3-Butadiene .....	106890	102463 N-Nitrosodi-n-butylamine .....	1*	2,4 U128	X	1 (0.454)
1-Butanamine, N-butyln-N-nitroso-1-Butanol .....	71363	n-Butyl alcohol .....	1*	3 A U172	A	10 (4.54)
2-Butanone .....	78833	78933 MEK .....	1*	4 U031	D	5000 (2270)
2-Butanone .....	39196184	Methyl ethyl ketone Thiodanox .....	1*	3,4 U159	D	5000 (2270)
2-Butanone peroxide .....	123739	1338234 Methyl ethyl ketone peroxide .....	1*	4 U160	A	10 (4.54)
2-Butanone, 3,3-dimethyl-1-(methylthio), O[(methylamino)carbonyl] oxime, 2-Butenal .....	4170303	39196184 Crotonaldehyde .....	100	4 P045	B	100 (45.4)
2-Butene, 1,4-dichloro-2-Butenoic acid, 2-methyl-, 7H[2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxidoxyimethyl]2,3,5,7 $\alpha$ -tetrahydro-1H-pyrrolizin-1-yl-[S-[1alpha,2(Z,3R'),7alpha]-Butyl acetate .....	764410	1,4-Dichloro-2-butene .....	1*	4 U074	X	1 (0.454)
sec-Butyl acetate .....	303344	Lascicarpine .....	1*	4 U143	A	10 (4.54)
sec-Butyl acetate .....	123864	123864 .....	5000	1 D		5000 (2270)
	105464					

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
tert-Butyl acetate .....	540885-71-363	1-Butanol .....	1*	4	U031	D
n-Butyl alcohol .....	109739	.....	1000	1	C	5000 (2270) 1000 (454)
Butylamine .....	78819	.....				
iso-Butylamine .....	513495	.....				
sec-Butylamine .....	13952846	.....				
tert-Butylamine .....	75649	.....				
Butyl benzyl phthalate .....	85687	1,2-Benzenedicarboxylic acid, dibutyl ester .....	100	1,2,3,4	U069	B
γ-Butyl phthalate .....	84742	Dibutyl phthalate Di-γ-butyl phthalate .....	10	(4.54)	A	
Butyric acid .....	107926	.....	5000	1	D	5000 (2270)
iso-Butyric acid .....	79312	Aspirinic acid, dimethyl- .....	1*	4	U136	X
Cacodylic acid .....	75605	.....	1*	2	A	1 (0.454)
Cadmium acetate .....	7440439	.....	100	1	A	10 (4.54)
CADMUM AND COMPOUNDS .....	543908	N.A.	1*	2,3	A	10 (4.54)
Cadmium Compounds .....	7789426	Cadmium Compounds .....	1*	2,3		**
Cadmium bromide .....	10108642	.....	100	1	A	10 (4.54)
Cadmium chloride .....	7778441	.....	1000	1	A	10 (4.54)
Calcium arsenate .....	52740166	.....	1000	1	X	1 (0.454)
Calcium carbide .....	75207	.....	5000	1	A	1 (0.454)
Calcium chromate .....	13765190	Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt .....	1000	1,4	U032	A
Calcium cyanamide .....	156627	.....	1*	3	C	10 (4.54)
Calcium cyanide .....	592018	Calcium cyanide 2a(CN)2 .....	10	1,4	P021	A
Calcium cyanide Ca(CN)2 .....	26264062	Calcium cyanide .....	1000	1	C	10 (4.54)
Calcium dodecybenzenesulfonate .....	77778543	.....	100	1	A	10 (4.54)
Calcium hypochlorite .....	8001352	Chlorinated camphene .....	1	1,2,3,4	P123	X
Camphene, octachloro- .....	133062	Toxaphene .....	10	1,3	A	10 (4.54)
Captan .....	17804352	.....	1*	4	U271	##
Carbamic acid, [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl methyl ester (Banomy).	10605217	.....	1*	4	U372	##
Carbamic acid, 1H-benzimidazol-2-yl methyl ester (Carbendazim).	101279	.....	1*	4	U280	##
Carbamic acid, (3-chlorophenyl)-4-chloro-2-buonyl ester (Barban).	55285148	.....	1*	4	P189	##
Carbamic acid, [(dibutylaminothiolmethyl)-2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (Carbosulfan).	644644	.....	1*	4	P191	##
Carbamic acid, dimethyl-1-[dimethylaminocarbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimellan).						

**Environmental Protection Agency**
**§ 302.4**

Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester (Isolan).	119380	.....	1*	4	P192	##
Carbamic acid, ethyl ester	51796	Ethyl carbamate .....	1*	3,4	U238	B
Carbamic acid, methyl ester	615532	Urethane N-Nitroso-N-methylurethane .....	1*	4	U178	X
Carbamic acid, methylenebis(aminocarbonohydroxy)bis-, dimethyl ester (Thioplate-methyl).	1129415	.....	1*	4	P190	1 (0.454)
Carbamic acid, [1,2- phenylenebis(mimicarbonohydroxy)]bis-, dimethyl ester (Thioplate-methyl).	23564058	.....	1*	4	U409	##
Carbamic acid, phenyl-, 1-methylethyl ester (Propham) .....	122429	Dimethylcarbamoyl chloride .....	1*	4	U373	1 (0.454)
Carbamic acid, phenyl-, 1-methylethyl ester (Propham) .....	79447	Methylenebis(ether)carbamic acid, salts & esters .....	1*	3,4	U097	5000 (2270)
Carbamodithioic acid, 1,2-dihydriobis, salts & esters	111546	.....	1*	4	U114	100 (45.4)
Carbamodithioic acid, 1,2-dichloro-2-propenyl) ester	2303164	Dialate .....	1*	4	U062	##
Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester (Triflale).	2303175	.....	1*	4	U389	##
Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb) .....	5288809	.....	1*	4	U387	100 (45.4)
Carboxanil	63252	.....	100	1,3	B	10 (4.54)
Carboxanil	1563662	.....	10	1	A	10 (4.54)
Carbon disulfide .....	75150	.....	5000	1,3,4	P022	B
Carbon oxyfluoride	353504	Carbonic difluoride .....	1*	4	U033	C
Carbonic acid, dithallium(1+) salt	6532739	Thallium(I) carbonate .....	1*	4	U215	B
Carbonic acid chloride .....	75445	Phosgene .....	5000	1,3,4	P095	A
Carbonic difluoride .....	353504	Carbon oxyfluoride .....	1*	4	U033	1000 (45.4)
Carbonochloridic acid, methyl ester .....	79221	Methyl chloroformate .....	1*	4	U156	C
Carbon tetrachloride .....	56235	Methane, tetrachloro- .....	5000	1,2,3,4	U211	A
Cation sulfide .....	463581	.....	1*	3	B	100 (45.4)
Catechol .....	120809	.....	1*	3	B	100 (45.4)
Chloral .....	75876	Acetaldehyde, trichloro- .....	1*	4	U034	5000 (2270)
Chloramine .....	133904	.....	1*	3	D	100 (45.4)
Chlorambucil .....	305033	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]- .....	1*	3	A	10 (4.54)
Chlordane .....	57749	Chlordane, alpha & gamma isomers .....	1	1,2,3,4	U035	1 (0.454)
Chlordane (TECHNICAL MIXTURE AND METABOLITES)	N.A.	.....	1	1,2,3,4	U036	X
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	57749	.....	1*	2	U036	X
Chlordane, alpha & gamma isomers .....	N.A.	.....	1	1,2,3,4	U036	1 (0.454)
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	57749	CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)	1	1,2,3,4	U036	X
4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.	.....	.....	1*	2	U036	1 (0.454)
Chlordane .....	8001352	.....	1*	2	P123	X
CHLORINATED BENZENES	N.A.	.....	1	2,3,4	U036	**
Chlorinated camphene .....	8001352	.....	1	2,3,4	P123	1 (0.454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory				Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	Cat-egory	
CHLORINATED ETHANES	N.A.		1*	2			**
CHLORINATED NAPHTHALENE	N.A.		1*	2			**
CHLORINATED PHENOLS	N.A.		1*	2			
Chlorine	7782505		10	1,3	A	10 (45.4)	
Chlomaphazine	494031	Naphthalamine, N,N'-bis(2-chloroethyl)-	1*	4	U026	100 (45.4)	
Chloroacetaldehyde	107200	Acetaldehyde, chloro-	1*	4	P023	1000 (45.4)	
Chloroacetic acid	79118		1*	3	B	100 (45.4)	
Chloroacetophenone	532274		1*	3	B	100 (45.4)	
CHLOROALKYL ETHERS	N.A.		1*	2			
p-Chloroaniline	106478	Benzaniline, 4-chloro-	1*	4	P024	1000 (45.4)	
Chlorobenzene	108907	Benzene, chloro-	100	1,2,3,4	U037	100 (45.4)	
Chlorobenzilate	510156	Benzenoic acid, 4-chloro- <i>o</i> -(4-chlorophenoxy)- <i>o</i> -hydroxy-, ethyl ester,	1*	3,4	U038	10 (45.4)	
4-Chloro-m-cresol	59507	p-Chloro-n-cresol	1*	2,4	U039	D	5000 (2270)
p-Chloro-m-cresol	59507	Phenol, 4-chloro-3-methyl-	1*	2,4	U039	D	5000 (2270)
Chlonoethane	75003	Phenol, 4-chloro- <i>n</i> -methyl-					
Chlorodibromomethane	124481	Ethyl chloride	1*	2,3	B	100 (45.4)	
1-Chloro-2,3-epoxypropane	106398	Eichlorohydrin	1000	1,3,4	U041	B	100 (45.4)
2-Chloroethyl vinyl ether	110758	Ethane, (chloromethyl)-	1*	2,4	U042	C	1000 (45.4)
Chloroform	67863	Ethane, 2-chloroethoxy-	5000	1,2,3,4	U044	A	10 (45.4)
Chloromethane	74873	Methane, trichloro-	1*	2,3,4	U045	B	100 (45.4)
Chloromethyl methyl ether	91587	Methane, chloride					
beta-Chloronaphthalene	107302	Methane, chloromethyl-	1*	3,4	U046	A	10 (45.4)
2-Chloronaphthalene	91587	Naphthalene, 2-chloro-	1*	2,4	U047	D	5000 (2270)
2-Chlorophenol	95578	2-Chloronaphthalene, beta-Chloronaphthalene	1*	2,4	U047	D	5000 (2270)
o-Chlorophenol	95578	Naphthalene, 2-chloro-	1*	2,4	U048	B	100 (45.4)
4-Chlorophenyl phenyl ether	7005723	Phenol, 2-chloro-	1*	2,4	U048	B	100 (45.4)
1-(o-Chlorophenyl)thiourea	5344821	2-Chlorophenol	1*	2	D	5000 (2270)	
Chloroprene	126988	Thiourea, (2-chlorophenyl)-	1*	4	P026	100 (45.4)	
3-Chloropropionitrile	542267	Propanenitrile, 3-chloro-	1*	3	B	100 (45.4)	
Chlorosulfonic acid	7790945	1000	1*	4	P027	C	1000 (45.4)
4-Chloro-o-toluidine, hydrochloride	3165933	Benzenamine, 4-chloro-2-methyl-, hydrochloride.	1*	4	U049	B	100 (45.4)

**Environmental Protection Agency**
**§ 302.4**

Chlorpyrifos .....	2921882 .....	1	1	X	1 (0.454)
Chromic acetate .....	1066304 .....	1	1	C	1000 (454)
Chromic acid .....	11115745 .....	1	1	A	10 (4.54)
Chromic sulfate .....	13765190 .....	1	1	A	10 (4.54)
Chromium $\text{H}_2\text{CrO}_4$ , calcium salt .....	10101538 .....	1	1	A	10 (4.54)
Chromium $\text{H}^+$ .....	7738945 .....	1	1	D	5000 (2270) **
<b>CHROMIUM AND COMPOUNDS</b> .....	N.A.				
Chromium Compounds .....	10049055 .....	1	1	C	1000 (454)
Chromous chloride .....	218019 .....	1	1	B	100 (45.4) **
Chrysene .....	N.A. .....	1	1	C	1000 (454)
Cobalt compounds .....	7789437 .....	1	1	C	1000 (454)
Cobaltous bromide .....	544183 .....	1	1	C	1000 (454)
Cobaltous formate .....	14017415 .....	1	1	C	1000 (454)
Cobaltous sulfonate .....	N.A. .....	1	1	X	1 (0.454)
Coke Oven Emissions .....	7440508 .....	1	1	D	5000 (2270) **
<b>COPPER AND COMPOUNDS</b> .....	N.A. .....	1	1	C	1000 (454)
Copper cyanide .....	544923 .....	1	1	A	10 (4.54)
Copper cyanide CuCN .....	544923 .....	1	1	A	10 (4.54)
Copper cyanide .....	56724 .....	1	1	A	10 (4.54)
Coumaraphos .....	8001589 .....	1	1	X	1 (0.454)
Creosote .....	1319773 .....	1	1	B	100 (45.4) **
Cresols (isomers and mixture) .....	108394 .....	1	1	B	100 (45.4)
m-Cresol .....	95487 .....	1	1	B	100 (45.4)
o-Cresol .....	106445 .....	1	1	B	100 (45.4)
p-Cresol .....	1319773 .....	1	1	B	100 (45.4)
Cresylic acid (isomers and mixture) .....	108394 .....	1	1	B	100 (45.4)
m-Cresylic acid .....	95487 .....	1	1	B	100 (45.4)
o-Cresylic acid .....	106445 .....	1	1	B	100 (45.4)
p-Cresylic acid .....	123739 .....	1	1	B	100 (45.4)
Crotonaldehyde .....	4170303 .....	1	1	B	100 (45.4)
Cumene .....	98828 .....	1	1	D	5000 (2270) **
Cupric acetate .....	142712 .....	1	1	B	100 (45.4)
Cupric aeoarsenite .....	12002038 .....	1	1	X	1 (0.454)
Cupric chloride .....	7447394 .....	1	1	A	10 (4.54)
Cupric nitrate .....	3251238 .....	1	1	B	100 (45.4)
Cupric oxalate .....	5893663 .....	1	1	B	100 (45.4)
Cupric sulfate .....	7758887 .....	1	1	A	10 (4.54)
Cupric sulfate, ammoniated .....	10380297 .....	1	1	B	100 (45.4)
Cupric tartrate .....	10380297 .....	1	1	B	100 (45.4)
Cyanide Compounds .....	N.A.				
<b>CYANIDES</b> .....	57125 .....	1	1	C	10 (4.54) **
Cyanides (soluble salts and complexes) not otherwise specified .....	460195 .....	1	1	A	100 (45.4)
Cyanogen .....	506883 .....	1	1	B	1000 (454)
Cyanogen bromide (CNBr) .....	506883 .....	1	1	C	1000 (454)
Cyanogen chloride (CNCI) .....	506774 .....	1	1	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Cyanogen chloride (CN)Cl 2,5-Cyclohexadiene-1,4-dione	506774 106514	Cyanogen chloride p-Benzozquinone .....	10 1*	1,4 3,4	P033 U197	A A
Cyclohexane	110827	Benzene, hexahydro-	1000	1,4	U056	C
Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α,2α,3β,4α,5α,6β)-	58899	γ-BHC .....	1	1,2,3,4	U129	X
Lindane		Hexachlorocyclohexane (gamma isomer)				
Lindane (all isomers)		Lindane (all isomers)				
Cyclhexanone	108941	Phenol, 2-cyclohexyl-4,6-dinitro- .....	1*	4	U057	D
2-Cyclohexyl-4,6-dinitrophenol	131895	Hexachlorocyclopentadiene .....	1*	4	P034	B
1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-	77474	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chlorophenyl)tetrahydro-2-oxide	1	1,2,3,4	U130	A
Cyclophosphamide	50180	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters.	1*	4	U058	A
2,4-D Acid	94757	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters.	100	1,3,4	U240	B
2,4-D Ester	94111 94791 94804 1320189 1928897 1928616 1929733 2971382 25168267	2,4-D, salts and esters .....	100	1	B	100 (45.4)
2,4-D salts and esters	53467111 94757	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters.	100	1,3,4	U240	B
Daunomycin	20830813	2,4-D Acid 2,4-D Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis). Benzene, 1,1-(2,2-dichloroethylidene)bis[4-chloro-TDE]	1*	4	U059	A
DDD	72548	4,4' DDD Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-TDE]	1	1,2,4	U060	X
4,4' DDD	72548	4,4' DDD Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-TDE]	1	1,2,4	U060	X

**Environmental Protection Agency**
**§ 302.4**

DDE .....	72559	4,4'-DDE	1*	2.3	1 (0.454)
4,4'-DDE .....	72559	DDE .....	1*	2.3	1 (0.454)
DDE <sup>b</sup> .....	3547044	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-DDT .....	1*	2.3	5000 (2270)
DDT .....	50293	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-DDT .....	1	1,2,4	1 (0.454)
4,4'DDT .....	50293	4,4'DDT, Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-DDT .....	1	1,2,4	U061 X
DDT AND METABOLITES .....	N.A.	1,2-Benzenedicarboxylic acid, bis(2-ethyl-hexyl)ester .....	1*	2	1 (0.454)
DEHP .....	117817	Bis(2-ethylhexyl)phthalate Diethylhexyl phthalate Carbamothioic acid, bis(1-methylallyl)-, S-(2,3-dichloro-2-propenyl) ester .....	1*	4	100 (45.4)
Diallate .....	2303164	Dibenz[ <i>a</i> ]anthracene 1,2,5,6-Dibenzo[ <i>a</i> ]anthracene .....	1*	1	100 (45.4)
Diazinon .....	333415	Dibenz[ <i>a</i> ]anthracene 1,2,5,6-Dibenzo[ <i>a</i> ]anthracene .....	1*	2,4	1 (0.454)
Diazomethane .....	533483	Dibenz[ <i>a</i> ]anthracene Dibenz[ <i>a</i> ]anthracene .....	1*	2,4	100 (45.4)
Dibenz[ <i>a</i> ]hlanthracene .....	53703	Dibenz[ <i>a</i> ]anthracene Dibenz[ <i>a</i> ]anthracene .....	1*	2,4	1 (0.454)
1,2,5,6-Dibenzoanthracene .....	53703	Dibenz[ <i>a</i> ]anthracene 2,5,6-Dibenzoanthracene .....	1*	2,4	1 (0.454)
Dibenzo[ <i>a</i> ]hlanthracene .....	189559	Benzol[ <i>stipentaphene</i> ..... Propane, 1,2-dibromo-3-chloro-..... Ethane, 1,2-dibromo-..... Ethylene dibromide .....	1*	4	10 (4.54)
Dibenzo[ <i>j</i> ]pyrene .....	132649	1,2-Dibromo-3-chloropropane .....	1*	3	100 (45.4)
Dibenzofuran .....	96128	1000 1,3,4 U066 X			
1,2-Dibromo-3-chloropropane .....	106334	1000 1,3,4 U067 X			
Dibromoethane .....	84742	1,2-Benzenedicarboxylic acid, dibutyl ester .....	100 1,2,3,4 U069 A		
Diethyl phthalate .....	84742	n-Butyl phthalate Di-n-butyl phthalate 1,2-Benzenedicarboxylic acid, dibutyl ester .....	100 1,2,3,4 U069 A		
Di-n-butyl phthalate .....	1918009	Di-n-butyl phthalate Dibutyl phthalate .....	1000 1,2,3,4 U069 A		
Dianisba .....	1194656	1000 1,2,3,4 U069 A			
Dichlobenil .....	117806	1000 1,2,3,4 U069 A			
Dichlone .....	25321226	100 1,2,3,4 U069 A			
Dichlorobenzene .....	95501	100 1,2,3,4 U069 A			
1,2-Dichlorobenzene .....	5411731	100 1,2,3,4 U069 A			
1,3-Dichlorobenzene .....	106467	100 1,2,3,4 U069 A			
1,4-Dichlorobenzene .....	5411731	100 1,2,3,4 U069 A			
m-Dichlorobenzene .....	95501	100 1,2,3,4 U069 A			
o-Dichlorobenzene .....	106467	100 1,2,3,4 U069 A			
p-Dichlorobenzene .....	N.A.	100 1,2,3,4 U069 A			
DICHLOROBENZIDINE .....	91941	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-..... 3,3'-Dichlorobenzidine .....	1* 2 2,3,4 U073 X		
Dichlorobromomethane .....	75274	1* 2 2,3,4 U073 D			

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
1,4-Dichloro-2-butene	764410	2-Butene, 1,4-dichloro-	1*	4	U074	1 (0.454)
Dichlorodifluoromethane	75718	Methane, dichlorofluoro-	1*	4	U075	5000 (2270)
1,1-Dichloroethane	75343	Ethane, 1,1-dichloro-	1*	2,3,4	U076	1000 (454)
1,2-Dichlorethane	107062	Ethane, 1,2-dichloro-	5000	1,2,3,4	U077	B
1,1-Dichloroethylene	75354	Ethylene, 1,1-dichloro-	5000	1,2,3,4	U078	B
1,2-Dichloroethylene	156805	Vinyldiene chloride	1*	2,4	U079	C
Dichloroethyl ether	111444	Ethene, 1,2-dichloro-(E) ..... Bis(2-chloroethyl) ether .....	1*	2,3,4	U025	A
Dichloroisopropyl ether	108601	Ethane, 1,1-oxybis[2-chloro- Propane, 2,2-oxybis[2-chloro-]	1*	2,4	U027	C
Dichloromethane	75092	Methane, dichloro-	1*	2,3,4	U080	C
Dichloronethoxy ethane	111911	Methylene chloride	1*	2,4	U024	C
Dichloromethyl ether	542881	Bis(2-chloroethoxy) methane	1*	3,4	P016	A
2,4-Dichlorophenol	120832	Ethane, 1,1'-(methylenebisoxo)[bis(2-chloro- Methane, oxybis(chloro-)	1*	2,4	U081	B
2,6-Dichlorophenol	87650	Phenol, 2,4-dichloro-	1*	4	U082	B
Dichlorophenylarsine	696286	Phenol, 2,6-dichloro- Arsinous dichloride, phenyl-	1*	4	P036	X
Dichloropropane	26638197	Propane, 1,1-dichloro-	5000	1	C	1000 (454)
1,1-Dichloropropane	78899	Propane, 1,2-dichloro-	5000	1,2,3,4	U083	C
1,3-Dichloropropane	142289	Propylene dichloride	5000	1	B	100 (454)
1,2-Dichloropropane	78875	Propylene dichloride	5000	1	B	100 (454)
Dichloropropane—Dichloropropene (mixture)	8003198	.....	5000	1	B	100 (454)
Dichloropropene	26952238	.....	5000	1	B	100 (454)
2,3-Dichloropropene	78886	.....	5000	1,2,3,4	U084	B
1,3-Dichloropropene	542756	1-Propene, 1,3-dichloro-	5000	1	D	100 (454)
2,2-Dichloropropionic acid	75980	.....	5000	1,3	A	10 (4.54)
Dichlorovos	62737	.....	5000	1	P037	X
Dicofol	115322	.....	1,2,4	1	1 (0.454)	
Dieldrin	60571	2,7,3,6-Dimethyndanonaphthal[2,3-b]oxirene, 3,4,5,6,9-hexachloro-1a,2,2a,3,6,8a,7,7a- octahydro-, (1aalpha,2beta,2alpha,3beta,6beta, 6alpha,7beta,7alpha)-.	1	1*		
1,2,3,4-Diepoxybutane	1464535	2,2-Bioxirane	1*	4	U085	A
Diethanolamine	111422	.....	1000	3	B	10 (4.54)
Diethylamine	109897	.....	1	1	B	100 (454)

**Environmental Protection Agency**
**§ 302.4**

N,N-Diethylaniline .....	91667	.....	1*	3	C	1000 (454)
Diethylsine .....	692422	Arsine, diethyl- .....	1*	4	P038	1 (0.454)
1,4-Diethylenoxide .....	123911	1,4-Dioxane .....	1*	3,4	U108	100 (45.4)
1,4-Diethylenoxide .....	123911	1,4-Diethylenoxide .....	1*	3,4	U108	100 (45.4)
Diethylhexeneoxide .....	117817	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester.	1*	2,3,4	U028	B
Diethylhexyl phthalate .....	1615801	Bis(2-ethylhexyl)phthalate DEHP	1*	4	U086	A
N,N'-Diethylhydrazine O,O-Diethyl S-methyl dithiocophosphate .....	3288882	Hydrazine, 1,2-diethyl- Phosphordithioic acid, O,O-diethyl S-methyl ester.	1*	4	U087	D
Diethyl-p-nitrophenyl phosphate .....	311455	Phosphoric acid, diethyl 4-nitrophenyl ester .....	1*	4	P041	B
Diethyl phthalate .....	844662	1,2-Benzenedicarboxylic acid, diethyl ester .....	1*	2,4	U088	C
O,O-Diethyl O-pyrazinyl phosphorthioate .....	297972	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.	1*	4	P040	B
Diethylstibestrol .....	56531	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-.....	1*	4	U089	X
Diethyl sulfate .....	64675	3-Benzodioxole, 5-propyl-.....	1*	3	U090	A
Dihydrosulfone .....	94386	Phosphorfluoridic acid, bis(1-methylethyl) ester.	1*	4	P043	B
Disopropylfluorophosphate .....	55914	.....	1*	4	U090	A
Diisopropylfluorophosphate .....	309002	Adrin .....	1	1,2,4	P004	X
1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-, (1alpha, 4alpha, 8alpha, 8beta, 8beta)-1,4,5,8-Dimethanonaphthalene, (1alpha, 4alpha, 4beta, 5alpha, 5beta, 8beta, 8beta)-2,7,3,6-Dimethanonaphth[2,3-b]borene, (1alpha, 2alpha, 3,6,9,9-hexachloro-6alpha, 7beta, 7alpha)-2,3,6-Dimethanonaphth[2,3-b]borene, 3,4,5,6,9,9-hexachloro-1,2,2a,3,6,6a,7,7a-octa-hydro-, (1alpha, 2beta, 2alpha, 3alpha, 8alpha, 8beta, 6alpha, 6beta, 7beta, 7alpha)-Dimethoate .....	465736	Iosdin .....	1*	4	P060	X
3,3'-Dimethoxybenzidine .....	60571	Dieldrin .....	1	1,2,4	P037	X
Dimethylamine .....	72208	Endrin, & metabolites	1	1,2,4	P051	X
p-Dimethylaminobenzene .....	60515	Phosphordithioic acid, O,O-dimethyl S-.....	1*	4	P044	A
1,4-Dimethylbenzene .....	119904	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-.....	1*	3,4	U091	B
N,N-Dimethylaniline .....	124403	Methanamine, N,N-dimethyl-.....	1000	1,4	U092	C
p-Dimethylaminobenzene .....	60117	Benzenamine, N,N-dimethyl-4-(phenylazo)-.....	1*	3,4	U093	A
N,N-Dimethylaniline .....	60117	P-Dimethylaminobenzene .....	1*	3,4	U093	A
7,12-Dimethylbenzalanthracene .....	121687	Dimethyl aminoazobenzene .....	1*	3,4	U093	A
3,3'-Dimethylbenzidine .....	57976	Benzalanthracene, 7,12-dimethyl-.....	1*	3	B	100 (45.4)
alpha, alpha-Dimethylbenzylhydroperoxide .....	119937	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethyl-.....	1*	3,4	U094	X
Dimethylcarbamoyl chloride .....	80159	Hydroperoxide, 1-methyl-1-phenylethyl-.....	1*	3,4	U095	A
Dimethylformamide .....	79447	Carbamic chloride, dimethyl-.....	1*	3,4	U097	X
1,1-Dimethylhydrazine .....	68122	Hydrazine, 1,1-dimethyl-.....	1*	3	B	100 (45.4)
1,2-Dimethylhydrazine .....	57147	Hydrazine, 1,2-dimethyl-.....	1*	3,4	U098	A
alpha, alpha-Dimethylphenylmethamine .....	540738	Benzeneethanamine, alpha,alpha-dimethyl-.....	1*	4	U099	X
2,4-Dimethylphenol .....	122098	Phenol, 2,4-dimethyl-.....	1*	2,4	P046	D
	105679		2,4	2,4	U101	B

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Dimethyl phthalate .....	131113	1,2-Benzenedicarboxylic acid, dimethyl ester .....	1*	2,3,4	U102	D
Dimethyl sulfate .....	77781	Sulfuric acid, dimethyl ester .....	1*	3,4	U103	B
Dinitrobenzene (mixed) .....	25154545	.....	1000	1		5000 (2270)
m-Dinitrobenzene .....	99650	.....				100 (45.4)
o-Dinitrobenzene .....	528280	.....				100 (45.4)
p-Dinitrobenzene .....	100254	.....				
4,6-Dinitro-o-cresol, and salts .....	534521	Phenol, 2-methyl-4,6-dinitro-, & salts .....	1*	2,3,4	P047	A
Dinitrophenol .....	25550387	.....	1000	1		10 (45.4)
2,5-Dinitrophenol .....	329715	.....				10 (45.4)
2,6-Dinitrophenol .....	573568	.....				
2,4-Dinitrophenol .....	51285	Phenol, 2,4-dinitro- .....	1000	1,2,3,4,	P048	A
Dinitrotoluene .....	25321146	.....	1000	1,2		10 (45.4)
3,4-Dinitrotoluene .....	610399	Benzene, 1-methyl-2,4-dinitro- .....	1000	1,2,3,4	U105	A
2,4-Dinitrotoluene .....	121142	Benzene, 2-methyl-1,3-dinitro- .....	1000	1,2,4	U106	B
2,6-Dinitrotoluene .....	606202	Phenol, 2-(1-methoxypropyl)-4,6-dinitro- .....	1*	2,4	P020	C
Dinoseb .....	88857	1-Propanamine, N-propyl- .....	1*	2,4	U107	D
Di-n-octyl phthalate .....	117840	1,2-Benzenedicarboxylic acid, dioctyl ester .....	1*	3,4	U108	B
1,4-Dioxane .....	123911	1,4-Diethyleneoxide .....	1*			100 (45.4)
DIPHENYLHYDRAZINE .....	N.A.	1,4-Diethylenedioxyde .....	1*			**
1,2-Diphenylhydrazine .....	122867	Hydrazine, 1,2-diphenyl- .....	1*	2,3,4	U109	A
Diphosphoramide, octamethyl- .....	152169	Octamethylpyrophosphoramido .....	1*	4	P085	B
Diphosphoric acid, tetraethyl ester .....	107493	Tetraethyl pyrophosphosphate .....	100	1,4	U111	A
Dipyridamole .....	142847	1-Tetraethyl pyrophosphate .....	1*	4	U110	D
Di-n-propylnitrosamine .....	621647	1-Propanamine, N-propyl- .....	1*	2,4	U111	A
Diquat .....	85007	1-Nitroso-N-propyl- .....	1000	1	C	1000 (45.4)
Disulfoton .....	2764729	.....				
Disulfoton .....	298044	Phosphorodithioic acid, o,o-diethyl S-[2-(ethylthio)ethyl]ester .....	1	1,4	P039	X
Dithiobicutet .....	541537	Thiomidodicarbonic diamide (HG2KN) C(S)(2NH)	1*	4	P049	B
1,3-Dithiolane-2-carboxaldehyde, [(methylamino)carbonyl]oxime (Trisate).	O-	.....	1*	4	P185	##
Diuron .....	330541	.....	100	1		100 (45.4)
Dodecylbenzenesulfonic acid .....	27176870	.....	1000	1		1000 (45.4)
Endosulfan .....	115297	6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a- hexahydro-, 3-oxide.	1	1,2,4	P050	X

**Environmental Protection Agency**
**§ 302.4**

alpha - Endosulfan .....	959988 .....	1*	2	X	1 (0.454)
beta - Endosulfan .....	33213659 .....	1*	2	X	1 (0.454)
ENDOSULFAN AND METABOLITES .....	N.A. ....	1*	2	X	1 (0.454)
Endosulfan sulfate .....	1031078 .....	1*	2	X	1 (0.454)
Endothall .....	145733 .....	1*	4	P088 C	1000 (454)
Endrin .....	72208 Endrin, & metabolites .....	1	1,2,4	P051 X	1 (0.454)
Endrin aldehyde .....	7421934 N.A. ....	1*	2	X	1 (0.454)
ENDRIN AND METABOLITES .....	72208 Endrin .....	1	1,2,4	P051 X	1 (0.454)
Epichlorohydrin .....	959988 2,7,3,6-Dimethanonaphthal[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-Hydro- (1alpha,2beta,2abeta,3beta,6beta,7beta,7aalpha)- .....	1000	1,3,4	U041 B	100(45.4)
Epinephrine .....	51434 1-Chloro-2,3-epoxypropane .....	1*	4	P042 C	1000 (454)
1,2-Epoxybutane .....	106887 2-Beta,2abeta,3alpha,6alpha,6beta,7beta,7aalpha)- .....	1000	1,3,4	U001 B	100 (45.4)
Ethanal .....	75070 Acetaldehyde .....	1000	1,3,4	U001 C	1000(454)
Ethanamine, N-ethyl-N-nitroso- .....	55185 N-Nitrosodiethylamine .....	1*	4	U174 X	1 (0.454)
1,2-Ethanediamine, N,N-dimethyl-N-(2-pyridiny)- .....	91805 Methylenetriamine .....	1*	4	U155 D	5000 (2270)
Ethane, 1,2-dibromo .....	106334 Bromoethane .....	1000	1,3,4	U067 X	1 (0.454)
Ethane, 1,1-dichloro .....	75343 Ethylene dibromide .....	1*	3	B	100 (45.4)
Ethane, 1,2-dichloro .....	107062 Ethylidene dichloride .....	5000	1,2,3,4	U076 C	1000(454)
Ethanedinitrile .....	460195 Ethylene dichloride .....	1*	4	U077 B	100(45.4)
Ethane, heptachloro- .....	67721 Cyanogen .....	1*	4	P031 B	100 (45.4)
Ethane, 1,1'-methylenebis(oxyl)bis(2-chloro- .....	111911 Hexachloroethane .....	1*	2,3,4	U131 B	100 (45.4)
Ethane, 1,1'-oxybis- .....	60297 Dichloromethoxy ethane .....	1*	2,4	U024 C	1000 (454)
Ethane, 1,1'-oxybis[2-chloro- .....	111444 Ethyl ether .....	1*	4	U117 B	100 (45.4)
Ethane, pentachloro- .....	76017 Bis(2-chloroethoxy) methane .....	1*	4	U025 A	10(4.54)
Ethane, 1,1,2-tetrachloro- .....	630206 Pentachloroethane .....	1*	4	U184 A	10 (4.54)
Ethane, 1,1,2,2-tetrachloro- .....	79345 1,1,2-Tetra-Chloroethane .....	1*	4	U208 B	100 (45.4)
Ethane, 1,1,2-Tetra- .....	62555 Thioacetamide .....	1*	2,3,4	U209 B	100(45.4)
Ethane, 1,1,1-trichloro- .....	71556 Methyl chloroform .....	1*	4	U218 A	10 (4.54)
Ethane, 1,1,2-trichloro- .....	79005 1,1,2-Trichloroethane .....	1*	2,3,4	U226 C	1000(54)
		1*	2,3,4	U227 B	100(45.4)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Ethanimidothioc acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester (A2213), Ethanimidothioc acid, 2-(dimethylamino)-N-[[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester (Oxamyl), Ethanimidothioc acid, N[(methylaminocarbonyloxy)-, methyl ester, Ethanimidothioc acid, N,N'-[thiodis(methylamino)carbonyloxy]bis-dimethyl ester (Thiodicarb).	30558431 23135220	.....	1*	4	U394 P194	
Ethanol, 2-ethoxy-	110805	Ethylene glycol monoethyl ether .....	1*	4	U359 U73	
Ethanol, 2-(nitrosomino)bis-Ethanol, 2,2'-oxibis-dicarbamate (Diethylene glycol, dicarbamate)	1116547 5952261	N-Nitrosodithiobutamine .....	1*	4	U395 U004	## ##
Ethane, 1-phenyl-	98862	Acetophenone .....	1*	3,4	D	
Ethene, chloro-	75014	Vinyl chloride .....	1*	2,3,4	U043 U042	5000(2270) 1(0.454)
Ethene, 2-chloroethoxy-	110758	2-Chloroethyl vinyl ether .....	1*	2,4	C	1000(454)
Ethene, 1,1-dichloro-	75354	1,1-Dichloroethylene .....	5000	1,2,3,4	U078	100(45.4)
Ethene, 1,2-dichloro- (E)	156605	Vinyldiene chloride .....	1*	2,4	U079 U210	1000(454) 100(45.4)
Ethene, tetrachloro-	127184	Perchloroethylene .....	1*	2,3,4	B	
Ethene, trichloro-	79016	Tetrachloroethylene .....	1000	1,2,3,4	U228	
Ethion	563122	Trichloroethylene .....				100(45.4)
Ethyl acetate	141786	Acetic acid, ethyl ester .....	10	1	A	10(4.54)
Ethyl acrylate	140885	2-Penoic acid, ethyl ester .....	1*	4	U112 U113	5000(2270) 1000(454)
Ethylbenzene	100414	.....	1000	1,2,3	C	1000(454)
Ethy carbamate	51796	Carbamic acid, ethyl ester .....	1*	3,4	U238	100(45.4)
Ethy chloride	75003	Chloroethane .....	1*	2,3	B	100(45.4)
Ethy cyanide	107120	Propanenitrile .....	1*	4	P101 U114	10(4.54)
Ethylenbis(thiocarbamic acid, salts & esters	111546	Carbamodithioic acid, 1,2-ethanediybis, salts & esters.			D	5000(2270)
Ethylenediamine	107153	.....	1000	1	D	5000(2270)
Ethyleneglyme-tetraacetic acid (EDTA)	60004	.....	5000	1	X	1(0.454)
Ethylene dibromide	106934	Dibromoethane .....	1000	1,3,4	U067	
Ethyene dichloride	107062	Ethane, 1,2-dibromo-1,2-Dichloroethane .....	5000	1,2,3,4	U077	100(45.4)
Ethyene glycol	107211	Ethane, 1,2-dichloro-	1*	3	D	5000(2270)
Ethyene glycol monoethyl ether	110805	Ethanol, 2-ethoxy .....	1*	4	U359 P054	1000(454) 10(4.54)
Ethyene imine	151564	Azridine .....	1*	3,4	X	10(4.54)
Ethyene oxide	75218	Oxirane .....		3,4	U115	

**Environmental Protection Agency**
**§ 302.4**

Ethylenehiourea .....	96457	2-Imidazolidinethione .....	1*	3.4	U116	A	10(4.54)
Ethyl ether .....	60297	Ethane, 1,1'-oxybis- .....	1*	3.4	U117	B	100 (45.4)
Ethyldene dichloride .....	75343	Ethane, 1,1-Dichloro- .....	1*	2.3,4	U076	C	1000 (454)
Ethyl methacrylate .....	97632	2-Propenoic acid, 2-methyl-, ethyl ester .....	1*	4	U118	C	1000 (454)
Ethyl methanesulfonate .....	62500	Methanesulfonic acid, 2-methyl-, ethyl ester .....	1*	4	U119	X	1 (0.454)
Famphur .....	52857	Phosphorothioic acid, O-[4-(di-methylamino)- sulfonyl] phenyl] O,O-dimethyl ester .....	1*	4	P097	C	1000 (454)
Ferric ammonium citrate .....	1185575	.....	1000	1	C	1000 (454)	
Ferric ammonium oxalate .....	2944674	.....	1000	1	C	1000 (454)	
Ferric chloide .....	55488874	.....	1000	1	C	1000 (454)	
Ferric fluoride .....	7705080	.....	1000	1	B	100 (45.4)	
Ferric nitrate .....	7783508	.....	1000	1	C	1000 (454)	
Ferric sulfate .....	10421484	.....	1000	1	C	1000 (454)	
Ferrous ammonium sulfate .....	10028225	.....	1000	1	C	1000 (454)	
Ferrous chloride .....	10045893	.....	1000	1	C	1000 (454)	
Ferrous chloride .....	7758943	.....	1000	1	B	100 (45.4)	
Ferrous sulfate .....	7720787	.....	1000	1	C	1000 (454)	
Fine mineral fibers <sup>c</sup> .....	7782630	N.A.	.....	3	U120	B	**
Fluoranthene .....	206440	Benzof[ <i>k</i> ]fluorene .....	1*	2,4	U120	D	100 (45.4)
Fluorene .....	86737	.....	1*	2	P056	A	5000 (2270)
Fluorine .....	7782414	Acetamide, 2-fluoro- .....	1*	4	P057	B	10 (4.54)
Fluorocetanilide .....	640197	Acetic acid, fluoro-, sodium salt .....	1*	4	P058	A	10 (4.54)
Formaldehyde .....	62748	62748	1*	4	U122	B	100 (45.4)
Formic acid .....	50000	Maleic anhydride .....	1000	1,3,4	U123	D	5000 (2270)
Fumonic acid, mercury(2+)salt .....	64186	Mercury fulminate .....	5000	1,4	P065	A	10 (4.54)
Fumaric acid .....	628864	.....	5000	1	D	5000 (2270)	
Furan .....	110178	Furan .....	1*	4	U124	B	100 (45.4)
Furan .....	110009	109999	1*	4	U213	C	1000 (454)
Furan, tetrahydro- .....	2-Furancarboxaldehyde	Tetrahydron .....	1000	1,4	U125	D	5000 (2270)
2-Furanone .....	98011	Furfural .....	5000	1,3,4	U147	D	5000 (2270)
Furfural .....	108316	Maleic anhydride .....	1000	1,4	U125	D	5000 (2270)
Furfural .....	98011	2-Furancarboxaldehyde .....	110009	1*	4	U24	100 (45.4)
Gluopyranose, 2-deoxy-2-(3-methyl-3-nitrosourido)-D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino]- .....	18883664	D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonyl]amino, 2-deoxy-2-(3-methyl-3-nitrosourido)-.	1*	4	U206	X	1 (0.454)
Glycidaldehyde .....	765344	Streptozocin, Oxiranecarboxyaldehyde .....	1*	4	U126	A	10 (4.54)
Glycol ethers <sup>d</sup> .....	N.A.	MNNNG .....	1*	3	U163	A	10 (4.54)
Guandine, N-methyl-N-nitro-N-nitroso- .....	70257	.....	1*	4	U163	X	1 (0.454)
Guthion .....	86500	.....	1	1	**		
HALOETHERS .....	N.A.	.....	1*	2	**		
HALOMETHANES .....	N.A.	.....	1	2,3,4	P059	X	1, (0.454)
Heptachlor .....	76448	4,7-Methano-1-H-indene, 1,4,5,6,7,8-Heptachloro-3,4,4,7-a-tetrahydro- .....	1*	2	**		
HEPTACHLOR AND METABOLITES .....	1024573	.....	2	2	X		1 (0.454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Hexachlorobenzene	118741-8783-60873	Benzene, hexachloro-1,3-Butadiene 1,1,2,3,4,4-hexachloro-7-BHC	1*	2,3,4 1*	U127 U128 U129	A X X
Hexachlorobutadiene	58899	Cyclohexane, 1,2,3,4,5,6-hexachloro-(1a,2a,3b,4a, 5a,5b)-Lindane (all isomers)	1	1,2,3,4		10 (4.54) 1 (0.454) 1 (0.454)
HEXAHCLOROHEXANE (all isomers)						
Hexachlorocyclohexane (gamma isomer)						
Hexachlorocyclopentadiene	77474	1,2-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-Ethane, hexachloro-	1	1,2,3,4	U130	A
Hexachloroethane	67721	Ethane, hexachloro-	1*	2,3,4	U131	B
Hexachlorophene	70304	Phenol, 2,2'-methylenebis[3,4,6-trichloro-1-P-opens, 1,1,2,3,3,3-hexachloro-Tetraphosphoric acid, hexaethyl ester]	1*	4	U132	B
Hexachloropropene	1888717		1*	4	U243	C
Hexaethyl tetraphosphate	757584		1*	4	P062	B
Hexamethylene-1,6-disocyanate	822060		1*	3	B	100 (45.4)
Hexamethylphosphoramide	689319		1*	3	X	1 (0.454)
Hexane	110543	Methyl isobutyl ketone	1*	3	X	5000 (2270)
Hexene	108101	4-Methyl-2-pentanone	1*	3,4	U161	D
Hydrazine	302012	N,N'-Diethylhydrazine	1*	3,4	U133	X
Hydrazine, 1,2-diethyl-	1615801	1,1-Dimethylhydrazine	1*	4	U086	A
Hydrazine, 1,1-dimethyl-	57147	1,2-Dimethylhydrazine	1*	3,4	U098	A
Hydrazine, 1,2-dimethyl-	540738	1,2-Diphenylhydrazine	1*	4	U099	X
Hydrazine, 1,2-diphenyl-	122867	Methyl hydrazine	1*	2,3,4	U109	A
Hydrazine, methyl-	60344	Thiosemicarbazide	1*	3,4	P068	A
Hydrazinecarbothiamide	79196		1*	4	U116	B
Hydrochloric acid	7647010	Hydrogen chloride	5000	1,3	D	5000 (2270)
Hydrocyanic acid	74908	Hydrogen cyanide	100	1,4	P063	A
Hydrofluoric acid	7664393	Hydrogen fluoride	5000	1,3,4	U134	B
Hydrogen chloride	7647010	Hydrochloric acid	5000	1,3	D	5000 (2270)
Hydrogen cyanide	74908	Hydrocyanic acid	100	1,4	P063	A
Hydrogen fluoride	7664393	Hydrofluoric acid	5000	1,3,4	U134	B
Hydrogen phosphide	7803512	Phosphine	1*	3,4	P096	B
Hydrogen sulfide	7783064	Hydrogen sulfide H <sub>2</sub> S	100	1,4	U135	B
Hydrogen sulfide H <sub>2</sub> S			100	1,4	U135	B
Hydroperoxide, 1-methyl-1-phenylethyl-	80159	alpha,alpha-Dimethylbenzylhydroperoxide	1*	4	U096	A
Hydroquinone	123319		1*	3	B	100 (45.4)
2-Imidazolidinethione	96457	Ethylenethiourea	1*	3,4	U116	A
Indeno(1,2,3-cd)pyrene	193395	1,10-(1,2-Phenylen)pyrene	1*	2,4	U137	B
Iodomethane	74884	Methane, iodo-	1*	3,4	U138	B
1,3-Isobenzofuranone	85449	Phthalic anhydride	1*	3,4	U190	D
						5000 (2270)

**Environmental Protection Agency**
**§ 302.4**

Isobutyl alcohol .....	78831	1-Propanol, 2-methyl-	1*	4	U140	D
Isodrin .....	465736	1,4,5,8-Dimethanodaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro, (1alpha,4alpha,4abeta,5beta, 8beta,8abeta)-.	1*	4	P060	X
Isophorone .....	78591	.....	1*	2,3	D	5000 (2270)
Isoprene .....	78795	.....	1000	1	B	100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	42504461	.....	1000	1	C	1000 (454)
Isocaffrole .....	120581	1,3-Benzodioxole, 5-(1-propenyl)-	1*	4	U141	B
3(2H)-isoxazoline, 5-(aminomethyl)-	2763964	Muscimol .....	1*	4	P007	C
Kepone .....	143500	5-(Aminomethyl)-3-isoxazolol	1	14	U142	X
Lasiocarpine .....	303344	1,3,4-Metheno-2H-cyclobutanedi(pentalen-2-one, 1,1a,3a,4,5,5,5a,5b,6-decachlorodihydro-2-Butenoic acid, 2-methyl-, 7 [2,3-dihydroxy-2-oxobutoxy)methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S]-[alpha]Z, 7(2S*,3R*)/7aalphaH]-.	1*	4	U143	A
Lead†† .....	7439921	.....	1*	2	A	10 (4.54)
Lead acetate .....	301042	Acetic acid, lead(2+) salt .....	5000	1,4	U144	A
LEAD AND COMPOUNDS .....	N.A.	Lead Compounds .....	1*	2,3		10 (4.54)
Lead Compounds .....	N.A.	LEAD AND COMPOUNDS .....	1*	2,3		**
Lead arsenate .....	7784409	.....	5000	1	X	**
Lead, bis(acetato-O)tetrahydroxytitri- Lead chloride .....	10102484	Lead subacetate .....	1*	4	U146	A
Lead fluoride .....	1335326	.....	5000	1	A	10 (4.54)
Lead iodide .....	7758954	.....	5000	1	A	10 (4.54)
Lead nitrate .....	13814965	.....	5000	1	A	10 (4.54)
Lead phosphate .....	7783462	.....	1000	1	A	10 (4.54)
Lead stearate .....	10101630	.....	5000	1	A	10 (4.54)
Lead, phosphoric acid, lead(2+) salt (2:3)	10099748	Phosphoric acid, lead(2+) salt (2:3) .....	5000	1	U145	A
Lead stearate .....	7446277	.....	5000	1	A	10 (4.54)
Lead stearate .....	1072351	.....	5000	1	A	10 (4.54)
Lead subacetate .....	7428480	.....	52652592			
Lead sulfate .....	56189094	.....	56189094			
Lead sulfide .....	1335326	Lead, bis(acetato-O)tetrahydroxytitri- .....	1335326			
Lead thioyanate .....	7446142	.....	7446142			
Lindane .....	15739807	.....	15739807			
Lead subacetate .....	1314870	.....	1314870			
Lead sulfide .....	592870	.....	592870			
Lead thioyanate .....	58899	.....	58899			
Lindane .....		γ-BHC .....	γ-BHC			
		Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1α,2α, 3β,4α, 5α,6β)-,				
		Hexachlorocyclohexane (gamma isomer)				
		Lindane (all isomers)				

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code <sup>†</sup>	RCRA waste Number		
Lindane (all isomers) .....	58899	γ-BHC ..... Cyclohexane, 1,2,3,4,5,6-hexachloro-, (1a,2a,3b,4a,5a,6b)-, Hexachlorocyclohexane (gamma isomer) Lindane .....	1	1,2,3,4	U129	X	1 (0.454)
Lithium chromate .....	14307358	.....	1000	1	A		10 (4.54)
Malathion .....	121755	.....	10	1	B		100 (45.4)
Maleic acid .....	110167	.....	5000	1	D		5000 (2270)
Maleic anhydride .....	108316	2,5-Furanone .....	5000	1,3,4	D		5000 (2270)
Maleic hydrazide .....	123331	3,6-Pyridazine-dione, 1,2-dihydro- .....	1*	4	D		5000 (2270)
Malononitrile .....	109773	Propanedinitrile .....	1*	4	C		1000 (454)
Manganese, bis(dimethylcarbamodithioato-S,S')-(Manganese dimethylthiocarbamate). .....	15339363	.....	1*	4	P196		##
Manganese Compounds .....	N.A.	.....	1*	3			**
MDI .....	101888	Methylene diphenyl diisocyanate .....	1*	3	D		5000 (2270)
Meiphalan .....	148823	L-Phenylalanine, 4-[bis(2-chloroethyl) amino] .....	1*	4	X		1 (0.454)
MEK .....	78833	2-Butanone .....	1*	3,4	D		5000 (2270)
Mercaptodimethyl .....	2032657	Methyl ethyl ketone .....	100	1	A		10 (4.54)
Mercuric cyanide .....	592041	.....	1	1	X		1 (0.454)
Mercuric nitrate .....	10045940	.....	10	1	A		10 (4.54)
Mercuric sulfate .....	7783359	.....	10	1	A		10 (4.54)
Mercuric thiocyanate .....	592858	.....	10	1	A		10 (4.54)
Mercurous nitrate .....	10415755	.....	10	1	A		10 (4.54)
Mercury .....	7782867	.....	1*	2,3,4	U151	X	1 (0.454)
MERCURY AND COMPOUNDS .....	7439976	Mercury Compounds .....	1*	2,3			**
Mercury Compounds .....	N.A.	MERCURY AND COMPOUNDS .....	1*	4	P092	B	
Mercury, (acetate-O)phenyl- .....	62384	Phenylmercury acetate .....	1*	4	P065	A	
Mercury fulminate .....	628864	Fulminic acid, mercury(2+-salt) .....	1*	4	U152	C	
Meibarylonitrile .....	126987	2-Propenenitrile, 2-methyl- .....	1*	4	1,4 U092	C	100 (45.4)
Methanamine, N-methyl- .....	124403	Dimethylamine .....	1000	1,4	2,3,4 P082	A	1000 (454)
Methanamine, N-methyl-N-nitroso- .....	627579	N-Nitrosodimethylamine .....	1*	2,3,4	U029	C	10 (4.54)
Methane, bromo- .....	74839	Bromomethane .....	1*	4			1000 (454)
Methane, chloro- .....	74873	Methyl bromide .....	1*	2,3,4	U045	B	100 (45.4)
Methane, chloromethyl methyl ether .....	107302	Chloromethyl methyl ether .....	1*	3,4	U046	A	10 (4.54)
Methane, dibromo- .....	74953	Methylene bromide .....	1*	4	U068	C	1000 (454)

**Environmental Protection Agency**
**§ 302.4**

Methane, dichloro-	75092	Methylene chloride .....	1*	2,3,4	U080	C	1000 (454)
Methane, dichlorodifluoro-	75718	Dichloromethane .....	1*	4	U075	D	5000 (2270)
Methane, iodo-	74884	Iodomethane .....	1*	3,4	U138	B	100 (45.4)
Methane, isocyanato-	624881	Methyl isocyanate .....	1*	3,4	P064	A	10 (4.54)
Methane, oxybis(chloro-	542881	Bis(chloromethyl)ether .....	1*	3,4	P016	A	10 (4.54)
Methanesulfenyl chloride, trichloro-	594423	Dichloromethyl ether .....	1*	4	P118	B	100 (45.4)
Methanesulfonic acid, ethyl ester	62500	Trichloromethanesulfenyl chloride .....	1*	4	U119	X	1 (0.454)
Methane, tetrachloro-	56235	Methyl methasulfone .....	5000	1,2,3,4	U211	A	10 (4.54)
Methane, tetranitro-	509148	Carbon tetrachloride .....	1*	4	P112	A	10 (4.54)
Methane, tribromo-	75252	Tetranitromethane .....	1*	2,3,4	U225	B	100 (45.4)
Methane, trichloro-	67663	Bromform .....	5000	1,2,3,4	U044	A	10 (4.54)
Methane, trichlorofluoro-	75694	Chloroform .....	1*	4	U121	D	5000 (2270)
Methanethiol	74931	Trichloromonofluoromethane .....	100	1,4	U153	B	100 (45.4)
		Methylmercaptan .....					##
		Thiomethanol .....					##
	23422539		1*	4	P198		
Methanimidamide,							
{[(methylamino)carbonyl]oxy[phenyl]},							
{Formetanate hydrochloride}.							
Methanimidamide,	17702577	N,N-dimethyl-N-[2-methyl-4-	1*	4	P197		##
{[(methylamino)carbonyl]oxy[phenyl]}-(Formparanate).							
6,9-Methano-2,4,3-benzodioxathiepin,	115297	Endosulfan .....	1	1,2,4	P050	X	1 (0.454)
6,7,8,9,10,10-hexachloro-							
1,5,5a,6,9,9a-hexahydro-, 3-oxide							
1,3,4-Metheno-2H-cyclobutal[c]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-	143500	Kepone .....	1	1,4	U142	X	1 (0.454)
decachlorotetahydro-							
4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-	76448	Hepachlor .....	1*	1,2,3,4	P059	X	1 (0.454)
4,7-Methano-1H-indene,	57749	Heptachlor .....	1	1,2,3,4	U036	X	1 (0.454)
		Chlordane, alpha & gamma isomers					
		CHLORDANE (TECHNICAL MIXTURE AND					
		METABOLITES)					
Methanol .....	67561	Methyl alcohol .....	1*	3,4	U154	D	5000 (2270)
Methaphenylene .....	91805	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-	1*	4	U155	D	5000 (2270)
Methonyl .....	16752775	N-[2-thienylmethyl]-, methyl ester.	1*	4	P066	B	100 (45.4)
Methoxychlor .....	72435	Ethanimidothioic acid, N-[{(methyl-	1	1,3,4	U247	X	1 (0.454)
Methyl alcohol .....	67561	Benzene, 1,1'-(2,2-trichloroethyl)-					
2-Methyl aziridine .....	75558	methoxy-					
Methyl bromide .....	74839	Aziridine, 2-methyl-	1*	3,4	U154	D	5000 (2270)
1-Methylbutadiene .....	504609	1,2-Propylamine	1*	2,3,4	U029	C	1000 (454)
Methyl chloride .....	74873	Bromomethane .....	1*	2,3,4	U186	B	100 (45.4)
Methyl chlorocarbonate .....	79221	Methane, chloro-	1*	2,3,4	U045	B	100 (45.4)
		Carbonochloridic acid, methyl ester .....					
		Methyl chloroformate .....					

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory				Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	Cat-egory	
Methyl chloroform	71556	Ethane, 1,1,1-trichloroethane 1,1,1-Trichloroethane	1*	2,3,4	U226	C	1000 (454)
Methyl chloroformate	79221	Carbonic acid, methyl ester ..... Methyl chlorocarbonate	1*	4	U156	C	1000 (454)
3-Methylcholanthrene	56495	Benz[fl]aceanthrylene, 1,2-dihydro-3-methyl-.....	1*	4	U157	A	10 (4.54)
4,4'-Methylenebis(2-chloraniline)	101144	Benzaniline, 4,4'-methylene-bis(2-chloro-.....	1*	3,4	U158	A	10 (4.54)
Methylene bromide	74953	Methane, dibromo-.....	1*	4	U068	C	1000 (454)
Methylene chloride	75092	Dichloromethane	1*	2,3,4	U080	C	1000 (454)
Methylene, dichloro-	101779	Methane, dichloro-.....	1*	3	A	A	10 (4.54)
4,4'-Methylenedianiline	101688	MDI .....	1*	3	D	D	5000 (2270)
Methylene diphenyl disocyanate	78933	2-Butanone .....	1*	3,4	U159	D	5000 (2270)
Methyl ethyl ketone	MEK	MEK	1*	3	P068	B	100 (45.4)
Methyl ethyl ketone peroxide	1338234	2-Butanone peroxide .....	1*	4	U160	A	10 (4.54)
Methyl hydrazine	60344	Hydrazine, methyl-.....	1*	3,4	U138	B	100 (45.4)
Methyl iodide	74884	Iodomethane .....	1*	3,4	P068	B	100 (45.4)
Methyl isobutyl ketone	108101	Methane, iodo-.....	1*	3,4	U161	D	5000 (2270)
Methyl isocyanate	624839	4-Methyl-2-pentanone	1*	3,4	P064	A	10 (4.54)
2-Methylacrylonitrile	75865	Methane, isocyanato-.....	10	1,4	P069	A	10 (4.54)
Methylmercaptan	74931	Propanenitrile, 2-hydroxy-2-methyl-.....	100	1,4	U153	B	100 (45.4)
Methyl methacrylate	80626	Methanethiol .....	5000	1,3,4	U162	C	1000 (454)
Methyl parathion	298000	2-Propenoic acid, 2-methyl-, methyl ester .....	100	1,4	P071	B	100 (45.4)
4-Methyl-2-pentanone	108101	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.	1*	3,4	U161	D	5000 (2270)
Methyl isobutyl ketone	1634044	Hexone .....	1*	3	C	C	1000 (454)
Methyl methacrylal	56042	Methyl isobutyl ketone .....	1*	4	U164	A	10 (4.54)
Methyl parathion	7786347	4-(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-.	1	1	A	A	10 (4.54)
Mevinphos	315184	Azirinol 2',3',4'pyrrolol[1,2-a]indole-4,7-dione,6-methyl-8-[(laminocarbonyloxy)methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aaalpha, 8beta, 8alpha, 8beta)]-	1000	1	C	C	1000 (454)
Mexacarbate	50077	1000	1	1	A	A	10 (4.54)
Mitomycin C	70257	Guanidine, N-methyl-N'-nitro-N-nitroso-.....	1*	4	U163	A	10 (4.54)
MNNG	75047	Monochloramine .....	1000	1	B	B	100 (45.4)

**Environmental Protection Agency**

**§ 302.4**

Monomethylamine .....	74895	.....	1000	1	B
Multi Source Leachate .....	2763964	3(2H)-Isoxazone, 5-(aminomethyl)- 5-(Aminomethyl)-3-isoxazolol.	1*	4	F039
Muscimol .....	300765	Daunomycin .....	10	1	P007
Naled .....	20830813	.....	1*	4	C
5,12-Naphthacenodione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyloxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-	134327	alpha-Naphthylamine .....	1*	4	U167
1-Naphthalenamine .....	91598	beta-Naphthylamine .....	1*	4	U168
2-Naphthalenamine .....	494031	Chlornaphazine .....	1*	4	U026
Naphthalenamine, N,N'-bis(2-chloroethyl)-	91023	.....	5000	1,2,3,4	B
Naphthalene .....	91587	beta-Chloronaphthalene 2-Chloronaphthalene ..	1*	2,4	U165
Naphthalene, 2-chloro- .....	130154	1,4-Naphthoquinone .....	1*	4	U047
1,4-Naphthalenedione .....	72571	Tryptan blue .....	1*	4	U166
2,7-Naphthalenedisulfonic acid, 3,3'-(3,5-dimethyl-1,1'-biphenyl)-4,4'-diyl-bis(azo)bis(5-aminoo-4-hydroxy)-tetrasodium salt.	1338245	.....	100	1	D
Naphthenic acid .....	130154	1,4-Naphthalenedione .....	1*	4	U236
1,4-Naphthoquinone .....	134327	1-Naphthalenamine .....	1*	4	A
alpha-Naphthylamine .....	91598	2-Naphthalenamine .....	1*	4	U168
beta-Naphthylamine .....	86884	Triourea, 1-naphthalenyl- .....	1*	4	P072
Nickel <sup>++</sup> .....	7440020	.....	1*	4	B
Nickel ammonium sulfate	15689180	.....	5000	1	B
NICKEL AND COMPOUNDS .....	N.A.	Nickel Compounds .....	1*	2,3	.....
Nickel Compounds .....	N.A.	NICKEL AND COMPOUNDS .....	1*	4	.....
Nickel carbonyl .....	13463393	Nickel carbonyl Ni(CO)4, (T-4)-	1*	4	P073
Nickel carbonyl Ni(CO)4, (T-4)-	13463393	Nickel carbonyl .....	1*	4	P073
Nickel chloride .....	77118549	.....	5000	1	B
Nickel cyanide .....	37211055	Nickel cyanide Ni(CN)2 .....	1*	4	.....
Nickel cyanide Ni(CN)2 .....	5571197	Nickel cyanide .....	1*	4	P074
Nickel hydroxide .....	12054487	.....	1000	1	A
Nickel nitrate .....	14216752	.....	5000	1	B
Nickel sulfate .....	7778814	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-(S)- .....	1*	4	P075
Nicotine, & salts .....	54115	.....	1000	1	B
Nitric Acid .....	7897372	.....	1*	4	C
Nitric acid, thallium (I+) salt .....	10102451	Thallium (I) nitrate .....	1*	4	U217
Nitric oxide .....	10102439	Nitrogen oxide NO .....	1*	4	P076
p-Nitroaniline .....	100016	Benzylamine, 4-nitro- .....	1*	4	P077
Nitrobenzene .....	98853	Benzene, nitro- .....	1000	1,2,3,4	D
4-Nitrobiphenyl .....	92933	.....	1*	3	U169
Nitrogen dioxide .....	10102440	Nitrogen oxide NO <sub>2</sub> .....	1000	1,4	C
Nitrogen dioxide .....	10544726	.....	1000	1,4	U078
Nitrogen oxide NO .....	10102439	Nitric oxide .....	1*	4	A
Nitrogen oxide NO <sub>2</sub> .....	10102440	Nitrogen dioxide .....	1000	1,4	P078
Nitroglycerine .....	10544726	.....	1*	4	A
Nitrophenol (mixed) .....	55630	1,2,3-Propanetriol, trinitrate- .....	1000	1	P081
m-Nitrophenol .....	25154556	.....	.....	.....	.....
o-Nitrophenol .....	554847	2-Nitrophenol .....	100	1	B
	88755	.....	.....	.....	.....

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code <sup>†</sup>	RCRA Waste Number		
p-Nitrophenol .....	100027	4-Nitrophenol .....	1000	1,2,3,4	U170	B	
o-Nitrophenol .....	88755	Phenol, 4-nitro-2-nitrophenol .....	1000	1,2	U170	B	
p-Nitrophenol .....	100027	Phenol, 4-nitro-4-nitrophenol .....	1000	1,2,4	U170	B	
2-Nitrophenol .....	88755	4-Nitrophenol .....	1000	1,2	U170	B	
4-Nitrophenol .....	100027	p-Nitrophenol .....	1000	1,2,3,4	U170	B	
NITROPHENOLS .....	N.A.	Phenol, 4-nitro-Phenols, 2-nitro .....	1*	3,4	U171	A	
2-Nitropropane .....	79469	Propano, 2-nitro .....	1*	2		10 (454) **	
NITROSAMINES .....	N.A.	1-Butanamine, N-Butyl-N-nitroso-Ethanol, 2,2'-nitrosoiminobis-Enhancamine, N-Ethyl-N-nitroso-Methanamine, N-Methyl-N-nitroso- .....	1*	4	U172	A	
N-Nitrosodimethylamine .....	924163	1*	4	U173	X	10 (454) 1 (454)	
N-Nitrosodimethylamine .....	1116547	1*	4	U174	X	1 (454)	
N-Nitrosodimethylamine .....	55185	1*	2,3,4	P082	A	10 (454)	
N-Nitrosodimethylamine .....	62759	Methanamine, N-Methyl-N-nitroso- .....	1*	2	B	100 (454)	
N-Nitrosodimethylamine .....	86306	Urea, N-Ethyl-N-nitroso-Urea, N-Ethyl-N-nitroso-Urea, N-methyl-N-nitroso- .....	1*	4	U176	X	1 (454)
N-Nitrosodimethylamine .....	759739	1*	3,4	U177	X	1 (454)	
N-Nitroso-N-ethylurea .....	684935	Carbamic acid, methylnitroso-, ethyl ester .....	1*	4	U178	X	1 (454)
N-Nitroso-N-methylurethane .....	615532	Vinylamine, N-Methyl-N-nitroso- .....	1*	4	P084	A	10 (454)
N-Nitrosomethylvinylamine .....	4849400	1*	3		X	1 (454)	
N-Nitrosomorpholine .....	59892	1*	4	U179	A	10 (454)	
N-Nitrosopiperidine .....	100754	1*	4	U180	X	1 (454)	
N-Nitrosopyrrolidine .....	930552	1*	4		C	1000 (454)	
Nitrotoluene .....	1321126	1000	1				
m-Nitrotoluene .....	99081	88722					
o-Nitrotoluene .....	99980	99980					
p-Nitrotoluene .....	99980	Benzenamine, 2-methyl-5-nitro-Diphosphoramide, octamethyl- .....	1*	4	U181	B	100 (454)
5-Nitro-o-toluidine .....	152169	1*	4	P085	B	100 (454)	
Octamethylpyrophosphoramide .....	20816120	Osmium tetroxide .....	1*	4	P087	C	1000 (454)
Osmium tetroxide OsO <sub>4</sub> (T-4) .....	20816120	Osmium oxide, OsO <sub>4</sub> (T-4) .....	1*	4	P087	C	1000 (454)
Osmium tetroxide .....	145733	Endothall .....	1*	4	P088	C	1000 (454)
7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid .....	1120714	1,3-Propane sulfone .....	1*	3,4	U193	A	10 (454)
1,2-Oxathiolane, 2,2-dioxide .....	50180	Cyclophosphamide .....	1*	4	U058	A	10 (454)
2H-1,3-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)(tertbutyl) .....	76218	Ethylene oxide .....	1*	3,4	U115	A	10 (454)
Oxirane .....	765344	Glycidaldehyde .....	1*	3,4	U126	A	10 (454)
Oxiranecarboxyaldehyde .....	106898	1-Chloro-2,3-epoxypropane .....	1000	1,3,4	U041	B	100 (454)
Oxirane, (chloromethyl)- .....	30525894	Epicichlorohydrin .....	1000	1	U182	C	1000 (454)
Parformaldhyde .....	123637	1,3,5-Trioxane, 2,4,6-trimethyl- .....	1*	4			1000 (454)

**Environmental Protection Agency**
**§ 302.4**

Parathion .....	56382	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester.	1	1,3,4 P089	A	10 (4.54)
PCBs .....	1336363	Aroclors .....	10	1,2,3 X	X	1 (0.454)
Aroclor 1016 .....	12674112	POLYCHLORINATED BIPHENYL S .....	10	1,2,3 X	X	1 (0.454)
Aroclor 1221 .....	11104282	.....	10	1,2,3 X	X	1 (0.454)
Aroclor 1232 .....	11141165	.....	10	1,2,3 X	X	1 (0.454)
Aroclor 1242 .....	53469219	.....	10	1,2,3 X	X	1 (0.454)
Aroclor 1248 .....	12672296	.....	10	1,2,3 X	X	1 (0.454)
Aroclor 1254 .....	11097691	.....	10	1,2,3 X	X	1 (0.454)
Aroclor 1260 .....	11096825	.....	10	1,2,3 X	X	1 (0.454)
PCNB .....	82688	Benzene, pentachloronitro-.....	1*	3,4 U185	B	100 (45.4)
Pentachlorobenzene .....	608935	Pentachloronitrobenzene .....	1*	4 U183	A	10 (4.54)
Pentachloroethane .....	76017	Benzene, pentachloro-.....	1*	4 U184	A	10 (4.54)
Pentachloronitrobenzene .....	82688	Ethane, pentachloro-.....	1*	3,4 U185	B	100 (45.4)
Pentachlorophenol .....	87865	PCNB .....	1*	3,4 U185	B	100 (45.4)
1,3-Pentadiene .....	504609	Quintobenzene .....	10	1,2,3,4 U242	A	10 (4.54)
Perchloroethylene .....	127184	1-Methylbutadiene .....	1*	4 U186	B	100 (45.4)
Perchloroethylene .....	62442	Ethene, tetrachloro-.....	1*	2,3,4 U210	B	100 (45.4)
Phenacetin .....	85018	Tetrachloroethylene .....	1*	4 U187	B	100 (45.4)
Phenanthrene .....	108952	Acetamide, N-(4-ethoxyphenyl)- .....	1*	2,3,4 U188	C	5000 (2270)
Phenol .....	95578	Benzene, hydroxy-.....	1000	1,2,3,4 U048	B	100 (45.4)
2-chloro-.....	59037	o-Chlorophenol 2-Chlorophenol .....	1*	2,4 U048	B	100 (45.4)
Phenol, 4-chloro-3-methyl-.....	131895	4-Chloro-n-cresol .....	1*	2,4 U039	D	5000 (2270)
Phenol, 2-cyclohexyl-4,6-dinitro-.....	120832	2-Cyclohexyl-4,6-dinitrophenol .....	1*	4 P034	B	100 (45.4)
Phenol, 2,4-dichloro-.....	87650	2,4-Dichlorophenol .....	1*	2,4 U081	B	100 (45.4)
Phenol, 2,6-dichloro-.....	56531	2,6-Dichlorophenol .....	1*	2,4 U082	B	100 (45.4)
Phenol, 4,4'-1,2-dieethyl-1,2-ethenediyli)bis-, (E) .....	105679	Diethylsilylbestrol .....	1*	2,4 U089	X	1 (0.454)
Phenol, 2,4-dimethyl-.....	51285	2,4-Dinitrophenol .....	1000	1,2,3,4 P048	A	10 (4.54)
Phenol, 2,4-dinitro-.....	1319773	Cresols (isomers and mixture) .....	1000	1,3,4 U052	B	100 (45.4)
Phenol, methyl-.....	534521	Cresylic acid (isomers and mixture) .....	1*	2,3,4 P047	A	10 (4.54)
Phenol, 2-methyl-4,6-dinitro- & salts .....	70304	4,6-Dinitro-o-cresol, and salts .....	1*	2,3,4 U132	B	100 (45.4)
Phenol, 2,2'-methylenebis[3,4,6-trichloro-phenol, 3-(1-methylethyl)-, methyl carbamate] (m-Cumeryl methylcarbamate),	64006	Hexachlorophene .....	1*	4 P202	##	
Phenol, 2-(1-methylpropyl)-4,6-dinitro-.....	88857	Dinoseb .....	1*	4 P020	C	1000 (454)
Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate (Promecarb) .....	2631370	p-Nitrophenol .....	1000	1,2,3,4 P201	##	
Phenol, 4-nitro-.....	100027	4-Nitrophenol .....	1*	4 U170	B	100 (45.4)
Phenol, Pentachloro-.....	87865	Pentachlorophenol .....	10	1,2,3,4 U242	A	10 (4.54)
Phenol, 1,3,4,6-tetrachloro-.....	58902	2,3,4,6-Tetrachlorophenol .....	10	1,2,3,4 U212	A	10 (4.54)
Phenol, 2,4,5-trichloro-.....	95954	2,4,5-Trichlorophenol .....	10	1,3,4 U230	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Phenol, 2,4,6-trichloro-.....	88062	2,4,6-Trichlorophenol .....	10	1,2,3,4	U231	A
Phenol, 2,4,6-trinitro-, ammonium salt .....	131748	Ammonium picrate .....	1*	4	P009	A
L-Phenylnitrile, 4-[bis(2-chloroethyl) amino] .....	148823	Malaphan .....	1*	4	U150	10 (4.54)
p-Phenylenediamine .....	106503	.....	1*	3	D	1 (0.454)
1,10-(1,2-Phenylen)pyrene .....	193395	Indeno[1,2,3-cd]pyrene .....	2,4	1,4	U137	B
Mercury, acetato-O-phenyl-.....	62384	Mercury, acetato-O-phenyl- .....	1*	4	P092	B
Thiourea, phenyl-.....	103855	Thiourea, phenyl- .....	1*	4	P093	B
Phosphorodithioic acid, O,O-diethyl S-.....	298022	Phosphorodithioic acid, O,O-diethyl S- .....	1*	4	P094	A (4.54)
Phorate .....	75445	Carbonic dichloride .....	5000	1,3,4	P095	A
Phosphane .....	7803512	Hydrogen phosphide .....	1*	3,4	P096	B
Phosphoric acid .....	7664382	.....	5000	1	D	5000 (2270)
Phosphoric acid, lead(II+) salt (2:3) .....	311455	Diethyl-p-nitrophenyl phosphate .....	1*	4	P041	B
Phosphoric acid, lead(IV) salt (2:3) .....	7446277	Lead phosphate .....	1*	4	U145	A
Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester .....	298044	Diisulfide .....	1	1,4	P039	X
Phosphorodithioic acid, O,O-diethyl S-[ethylthio] methyl ester .....	298022	Phorate .....	1*	4	P094	A
Phosphorodithioic acid, O,O-diethyl S-methyl ester .....	3288582	O,O-Diethyl S-methyl dithiophosphate .....	1*	4	U087	D
Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] ester .....	60515	Dimethoate .....	1*	4	P044	A (4.54)
Phosphorofluoridic acid, bis[1-(methylthio)] ester .....	55914	Disopropylfluorophosphate .....	1*	4	P043	B
Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester, O,O-di-methyl ester .....	56382	Parathion .....	1	1,3,4	P089	10 (4.54)
Phosphorothioic acid, O,4-[dimethylaminoo] sulfonylphenyl]O,O-di-methyl ester .....	52857	Famphur .....	1*	4	P087	C
Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester .....	298000	Metyl parathion .....	100	1,4	P071	B
Phosphorothioic acid, O,O-dimethyl O-pyrazinyl phosphorothioate .....	297972	O,O-Diethyl O-pyrazinyl phosphorothioate .....	1*	4	P040	B
Phosphorus .....	7723140	.....	1	1,3	X	1 (0.454)
Phosphorus oxychloride .....	10025873	.....	5000	1	C	1000 (4.54)
Phosphorus pentasulfide .....	1314803	Phosphorus sulfide Sulfur phosphide .....	100	1,4	U189	B
Phosphorus sulfide .....	1314803	Phosphorus pentasulfide Sulfur phosphide .....	100	1,4	U189	B
Phosphorus trichloride .....	7719122	.....	5000	1	C	1000 (4.54)
PHTHALATE ESTERS .....	N.A.	.....	1*	2	U190	D
Phthalic anhydride .....	85449	1,3-isobenzofuranidine .....	3,4	1	U191	D
2-Picoline .....	109068	Pyridine, 2-methyl- .....	1*	4	U179	A
Piperidine, 1-nitroso-.....	100754	N-Nitrosopiperidine .....	100	1,4	P110	10 (4.54)
Plumbane, tetraethyl-.....	78002	Tetraethyl lead .....	10	1,2,3	X	1 (0.454)
POLYCHLORINATED BIPHENYLS .....	1336363	Acodols .....	10	1,2,3	X	1 (0.454)
PCBs .....	12674112	.....	10	1,2,3	X	1 (0.454)
Arcofor 1016 .....	11104282	.....	10	1,2,3	X	1 (0.454)
Arcofor 1221 .....	11141165	.....	10	1,2,3	X	1 (0.454)
Arcofor 1232 .....	53469219	.....	10	1,2,3	X	1 (0.454)

**Environmental Protection Agency**
**§ 302.4**

Aroclor 1248 .....	12672296 .....	10 .....	1,2,3 .....	1 (0.454) .....
Aroclor 1254 .....	11097691 .....	10 .....	1,2,3 .....	1 (0.454) .....
Aroclor 1260 .....	11096825 .....	10 .....	1,2,3 .....	1 (0.454) .....
Polymeric Organic Matter <sup>a</sup> .....	N.A. ....	1* .....	1* .....	** .....
<b>POLYNUCLEAR AROMATIC HYDROCARBONS</b> .....	N.A. ....	1* .....	2 .....	** .....
Potassium arsenate .....	7784410 .....	1000 .....	1 .....	1 (0.454) .....
Potassium arsenite .....	10124502 .....	1000 .....	1 .....	1 (0.454) .....
Potassium bichromate .....	7778509 .....	1000 .....	1 .....	10 (4.54) .....
Potassium chromate .....	7789006 .....	1000 .....	1 .....	10 (4.54) .....
Potassium cyanide .....	151508 .....	10 .....	1,4 .....	10 (4.54) .....
Potassium cyanide K(CN)	Potassium cyanide .....	P098 .....	A .....	10 (4.54) .....
Potassium hydroxide .....	1310563 .....	10 .....	1,4 .....	10 (4.54) .....
Potassium permanganate .....	7722847 .....	1000 .....	1 .....	100 (45.4) .....
Potassium silver cyanide .....	506616 .....	P099 .....	X .....	1 (0.454) .....
Pronamide .....	23960585 .....	U192 .....	D .....	5000 (2270) .....
Propanal, 2-methyl-2-(methylthio)-, O-[{(methylamino)carbonyl]oxime	Aldicarb .....	1* .....	4 .....	1 (0.454) .....
1-Propanamine .....	116063 .....	1* .....	4 .....	P070 .....
1-Propanamine, N-propyl-	107108 .....	n-Propylamine .....	4 .....	U194 .....
1-Propanamine, N-nitroso-N-propyl-	142847 .....	Di-propylamine .....	1* .....	D .....
Propane, 2-nitro .....	621647 .....	Din-propynitrosamine .....	4 .....	U110 .....
1,3-Propane sultone .....	79469 .....	2-Nitropropane .....	1* .....	A .....
Propane, 1,2-dibromo-3-chloro .....	1120714 .....	1,2-Oxathiolane, 2,2-dioxide .....	1* .....	U171 .....
Propane, 1,2-dibromo-3-chloro .....	96128 .....	1,2-Dibromo-3-chloropropane .....	1* .....	A .....
Propane, 1,2-dichloro- .....	78875 .....	1,2-Dichloropropane .....	5000 .....	10 (4.54) .....
Propanedinitrile .....	109773 .....	Propylene dichloride .....	1,2,3,4 .....	C .....
Propanenitrile .....	107120 .....	Malononitrile .....	1* .....	U194 .....
Propanenitrile, 3-chloro- .....	542767 .....	Ethyl cyanide .....	1* .....	D .....
Propanenitrile, 2-hydroxy-2-methyl- .....	75865 .....	3-Chloropropionitrile .....	1* .....	U111 .....
(Aldicarb sulfone).	75865 .....	Acetone cyanohydrin .....	10 .....	A .....
2-Propanone .....	108601 .....	2-Methylacetonitrile .....	5000 .....	10 (4.54) .....
2-Propanone, 1-bromo- .....	55630 .....	Dichloroisopropyl ether .....	1* .....	C .....
Propargyle .....	126727 .....	Nhydrolycerine .....	1* .....	U027 .....
Propargyl alcohol .....	78831 .....	Tris(2,3-dibromopropyl) phosphate .....	1* .....	A .....
Propenal .....	1646884 .....	Isobutyl alcohol .....	1* .....	U081 .....
Propane, 2,2'-oxybis[2-chloro- .....	67641 .....	Acetone .....	1* .....	1000 (454) .....
1,2,3-Propanetriol, trimellate- .....	598312 .....	Bromoacetone .....	1* .....	1000 (454) .....
1-Propanol, 2,3-dibromo-, phosphate (3:1) .....	2312358 .....	..... .....	10 .....	C .....
1-Propanol, 2-methyl- .....	107197 .....	2-Propyn-1-ol .....	1* .....	10 (4.54) .....
1-Propanol, 2-(methylsulfonyl)-, O-{(methylamino)carbonyl] oxime	107028 .....	Acrolein .....	1 .....	1000 (454) .....
2-Propanone .....	79061 .....	Acrylamide .....	1,2,3,4 .....	1,2,3,4 .....
2-Propanone .....	1888717 .....	Hexachloropropene .....	1* .....	U007 .....
1-Propene, 1,1,2,3,3,3-hexachloro- .....	542756 .....	1,3-Dichloropropene .....	5000 .....	1000 (2270) .....
1-Propene, 1,3-dichloro- .....	107131 .....	Acrylonitrile .....	100 .....	100 (45.4) .....
2-Propanenitrile .....	126987 .....	Methacrylonitrile .....	1* .....	B .....
2-Propanoic acid .....	79107 .....	Acrylic acid .....	3,4 .....	100 (454) .....
2-Propanoic acid, ethyl ester .....	140885 .....	Ethyl acrylate .....	1* .....	U152 .....
2-Propanoic acid, 2-methyl-, ethyl ester .....	97632 .....	Ethy methacrylate .....	1* .....	5000 (2270) .....
2-Propanoic acid, 2-methyl-, methyl ester .....	80626 .....	Methyl methacrylate .....	1,3,4 .....	1000 (454) .....

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	RQ	Code <sup>†</sup>	Statutory RCRA waste Number	Category	Final RQ
2-Propen-1-ol .....	107186	Allyl alcohol .....	100	1,4 P005	B	100 (45.4)	
beta-Propiolactone .....	57578	.....	1*	3	A	10 (4.54)	
Propionaldehyde .....	123386	.....	1*	3	C	1000 (454)	
Propionic acid .....	79094	.....	5000	1	D	5000 (2270)	
Propionic acid, 2-(2,4,5-trichlorophenoxy)- .....	93721	Silvex (24.5-TP) .....	100	1,4 U233	B	100 (45.4)	
Propionic anhydride .....	123626	2,4,5-TP acid .....	5000	1	D	5000 (2270)	
Propoxur (Baygon) .....	114261	.....	1*	3	B	100 (45.4)	
n-Propylamine .....	107108	1-Propanamine .....	1*	3	U194	D	5000 (2270)
Propylene dichloride .....	78875	1,2-Dichloropropane .....	5000	1,2,3,4 U083	C	1000 (454)	
Propylene oxide .....	75569	Propane, 1,2-dichloro- .....	5000	1,3	P067	X	100 (45.4)
1,2-Propylenimine .....	75558	Aziridine, 2-methyl- .....	1*	3,4	P102	C	100 (45.4)
2-Propyn-1-ol .....	107197	2-Methyl aziridine .....	1*	4	P102	C	1000 (454)
Pyrene .....	129000	Propargyl alcohol .....	1*	2	D	5000 (2270)	
Pyrethrins .....	121299	.....	1000	1	X	1 (0.545)	
.....	121211	.....	.....	.....	.....	.....	.....
8003347	.....	.....	.....	.....	.....	.....	.....
3,6-Pyridazinedione, 1,2-dihydro- .....	123331	Maleic hydrazide .....	1*	4	U148	D	5000 (2270)
4-Pyridinamine .....	504245	4-Aminopyridine .....	1*	4	P008	C	1000 (454)
Pyridine .....	110861	.....	1*	4	U196	C	1000 (454)
Pyridine, 2-methyl- .....	109068	2-Picoline .....	1*	4	U191	D	5000 (2270)
Pyridine, 3-(1-methyl-2-pyridinyl)-(S)- .....	54115	Nicotine, & salts .....	1*	4	P075	B	100 (45.4)
2,4-(1H-Pyridinedione, 5-[bis(2-hydroethyl)amino]-4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-Pyrididine, 1-nitroso-Pyridine, 1-nitroso- .....	66751	Urach mustard .....	1*	4	U237	A	10 (4.54)
Pyrrolidin-2-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methyl carbamate (ester), (3aS-cis)-(Phystostigmine, Quinoline .....	56042	Methylthiouracil .....	1*	4	U164	A	10 (4.54)
Quinone .....	930552	N-Nitrosopyrrolidine .....	1*	4	U180	X	1 (0.545)
Quintobenzene .....	57476	.....	1*	4	P204	##	.....
.....	91225	.....	1000	1,3	D	5000 (2270)	.....
.....	106514	p-Benzquinone .....	1*	3,4	U197	A	10 (4.54)
.....	82688	2,5-Cyclonexadiene-1,4-dione .....	1*	3,4	U185	B	100(45.4)
RADIONUCLEIDES .....	N.A.	PCNB	.....	.....	.....	.....	.....
Radionuclides (including radon) .....	N.A.	Pentachloronitrobenzene .....	1*	3	§	§	§

**Environmental Protection Agency**
**§ 302.4**

Reserpine .....	50555 Yohimbane-16-carboxylic acid, 11,17-dimethoxy-18-[3-(4,5-trimethoxybenzoyl)oxy]-ester 1' 16beta,17alpha,18beta,20alpha)-.	1*	4 U200 D	5000 (2270)
Resorcinol .....	108463 1,3-Benzenediol .....	1000 1*	1,4 U201 D	5000 (2270)
Saccharin and salts .....	81072 1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide .....	1*	1,4 U202 B	100 (45.4)
Sarole .....	94597 1,3-Benzodioxole, 5-(2-propenyl)-.....	1*	4 U203 B	100 (45.4)
Selenious acid .....	7783008 .....	1*	4 U204 A	10 (4.54)
Selenious acid, dithalium (1+) salt .....	12039620 Thallium selenite .....	1*	4 P114 C	1000 (454)
Selenium <sup>††</sup> .....	7782492 N.A. Selenium Compounds .....	1*	2 B	100 (45.4)
SELENIUM AND COMPOUNDS .....	N.A. SELENIUM COMPOUNDS .....	1*	2,3 **	**
Selenium Compounds .....	7446084 Selenium oxide .....	1000 1*	1,4 U204 A	10 (4.54)
Selenium dioxide .....	7446084 Selenium dioxide .....	1000 1*	1,4 U204 A	10 (4.54)
Selenium oxide .....	7488564 Selenium sulfide SeS <sub>2</sub> .....	1*	4 U205 A	10 (4.54)
Selenium sulfide .....	7488564 Selenium sulfide .....	1*	4 U205 A	10 (4.54)
Selenourea .....	630104 Azaserine .....	1*	4 P103 C	1000 (454)
L-Serine, diazoacetate (ester) .....	115026 .....	1*	4 U015 X	1 (454)
Silver <sup>††</sup> .....	7440224 N.A. Silver cyanide Ag (CN) .....	1*	2 C	1000 (454)
SILVER AND COMPOUNDS .....	506649 Silver cyanide .....	1*	2 P104 X	1 (0.454)
Silver cyanide .....	506649 Silver cyanide Ag (CN) .....	1*	4 P104 X	1 (0.454)
Silver nitrate .....	7761888 Propionic acid, 2-(2,4,5-trichlorophenoxy)-2,4,5-TP acid .....	1	1 P104 X	1 (0.454)
Silvex (2,4,5-TP) .....	93721 Propionic acid, 2-(2,4,5-trichlorophenoxy)-2,4,5-TP acid .....	100 1*	1,4 U233 B	100 (45.4)
Sodium .....	7440235 .....	1000 1	A	10 (4.54)
Sodium arsenite .....	7631882 .....	1000 1	X	1 (0.454)
Sodium arsenite .....	7784465 .....	1000 1	X	1 (0.454)
Sodium azide .....	26628228 .....	1*	4 P105 C	1000 (454)
Sodium bichromate .....	10588019 .....	1000 1	A	10 (4.54)
Sodium bifluoride .....	13338831 .....	5000 1	B	100 (45.4)
Sodium bisulfite .....	7631905 .....	5000 1	D	5000 (2270)
Sodium chromate .....	7775113 .....	1000 1	A	10 (4.54)
Sodium cyanide .....	143339 Sodium cyanide Na(CN) .....	10 1	P106 A	10 (4.54)
Sodium cyanide Na(CN) .....	143339 Sodium cyanide .....	10 1	P106 A	10 (4.54)
Sodium dodecylbenzenesulfonate .....	25156300 .....	1000 1	C	1000 (454)
Sodium fluoride .....	7681494 .....	5000 1	C	1000 (454)
Sodium hydrosulfide .....	16721805 .....	5000 1	D	5000 (2270)
Sodium hydroxide .....	1310732 .....	1000 1	C	1000 (454)
Sodium hypochlorite .....	7681529 .....	100 1	B	100 (45.4)
Sodium methylate .....	10022705 .....	1000 1	C	1000 (454)
Sodium nitrate .....	124414 .....	100 1	B	100 (45.4)
Sodium phosphate, dibasic .....	7632000 .....	5000 1	D	5000 (2270)
	7558794 .....			
	10039324 .....			
	10140655 .....			

## **§ 302.4**

40 CFR Ch. I (7-1-00 Edition)

TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued  
 [Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory		RCRA waste Number	Category	Pounds (Kg)	Final RQ
			RQ	Code <sup>†</sup>				
Sodium phosphate, tribasic .....	76015-99-0 7758294 7785844 10101890 10124568 10361894	.....	5000	1	D	5000 (2270)		
Sodium selenite .....	10102188 7782823 18883664	D-Glucose, 2-deoxy-2-[(methylnitrosoamino)-carbonylamino]-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosureido)-	1000	1	B	100 (45.4)		
Striptozotocin .....	7789062	.....	1*	4	U206	X	1 (0.454)	
Strontium chromate .....	57249	Strychnine, & salts .....	1000	1	A	10 (4.54)		
Strychnidin-10-one .....	35757-3	Brucine .....	10	1.4	P108	A	10 (4.54)	
Strychnine, & salts .....	57249	Strychnidin-10-one .....	1*	4	P018	B	100 (45.4)	
Styrene .....	100425	.....	10	1.4	P108	A	10 (4.54)	
Styrene oxide .....	96093	.....	1000	1.3	C	1000(454)		
Sulfur monochloride .....	12771083	Phosphorus pentasulfide	1*	3	B	100 (45.4)		
Sulfur phosphide .....	1314803	Phosphorus sulfide	1000	1	C	1000 (454)		
Sulfuric acid .....	7664939	.....	1000	1.4	U189	B	100 (45.4)	
Sulfuric acid, dithallium (1+) salt .....	8014957	Thallium (I) sulfate .....	1000	1.4	P115	B	100 (45.4)	
Sulfuric acid, dimethyl ester .....	7446186 10031591	Dimethyl sulfate .....	1*	3.4	U103	B	100(45.4)	
2,4,5-T acid .....	77781 937765	Acetic acid, (2,4,5-trichlorophenoxy) .....	100	1.4	U232	C	1000 (454)	
2,4,5-T amines .....	2008460	2,4,5-T .....	100	1	D	5000 (2270)		
2,4,5-T esters .....	13191728 3813147 6369866 6369977 937798 1928478 2545597 25188154 61792072 13560991	.....	100	1	C	1000 (454)		
2,4,5-T salts .....	937765	Acetic acid, (2,4,5-trichlorophenoxy) .....	100	1	U232	C	1000 (454)	
2,4,5-T .....	100	2,4,5-T acid .....	100	1.4	U232	C	1000 (454)	

**Environmental Protection Agency**
**§ 302.4**

TCDD .....	2,3,7,8-Tetrachlorodibenzo-p-dioxin .....	1*	2,3	X	1(0.454)
TDE .....	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-DDP] DDD .....	1*	1,2,4	U060	1(0.454)
1,2,4,5-Tetrachlorobenzene .....	Benzene, 1,2,4,5-tetrachloro-TCDD .....	1*	4	U207	5000(2270)
2,3,7,8-Tetrachlorodibenzo-p-dioxin .....	Ethane, 1,1,2-tetrachloro-.....	1*	2,3	X	1(0.454)
1,1,1,2-Tetrachloroethane .....	Ethane, 1,1,2,2-tetrachloro-.....	1*	4	U208	100(45.4)
1,1,2,2-Tetrachloroethane .....	Ethane, tetrachloro-.....	1*	2,3,4	U209	100(45.4)
Tetrachloroethylene .....	Perchloroethylene .....	1*	2,3,4	U210	100(45.4)
Tetrachloroethylene .....	Tetrachloroethylene .....	1*	2,3,4	U210	100(45.4)
2,3,4,6-Tetrachlorophenol .....	Tetrachloroethene .....	1*	4	U212	10(45.4)
Tetraethyl lead .....	Phenol, 2,3,4,6-tetrachloro-.....	100	1,4	P110	10(45.4)
Tetraethyl pyrophosphate .....	Plumbane, tetraethyl-.....	100	1,4	P111	10(45.4)
Tetraethylthiopyrophosphate .....	Diphosphoric acid, tetraethyl ester .....	100	1,4	P109	10(45.4)
Tetrahydrofuran .....	Thiodiphosphoric acid, tetraethyl ester .....	1*	4	U213	100(45.4)
Tetranitromethane .....	Furan, tetrahydro-.....	1*	4	P112	10(45.4)
Tetraphosphoric acid, hexaethyl ester .....	Methane, tetranitro-.....	1*	4	P062	100(45.4)
Thallic oxide .....	Hexaethyl tetraphosphate .....	1*	4	P113	100(45.4)
Thallium <sup>++</sup> .....	Thallium oxide Tl <sub>2</sub> O <sub>3</sub> .....	1*	2	C	1000(454)
Thallium and compounds .....	N.A. ....	1*	2	**	**
Thallium (I) acetate .....	Acetic acid, thallium(I) salt .....	1*	4	U214	100(45.4)
Thallium (I) carbonate .....	Carbonic acid, dithalium(+) salt .....	1*	4	U215	100(45.4)
Thallium (I) chloride .....	Thallium chloride TlCl .....	1*	4	U216	100(45.4)
Thallium (I) chloride TlCl .....	Thallium(I) chloride .....	1*	4	U216	100(45.4)
Thallium (I) nitrate .....	Nitric acid, thallium (I) salt .....	1*	4	U217	100(45.4)
Thallium oxide Tl <sub>2</sub> O <sub>3</sub> .....	Thallic oxide .....	1*	4	P113	100(45.4)
Thallium selenite .....	Selenious acid, dithalium(+) salt .....	1*	4	P114	1000(454)
Thallium (I) sulfate .....	Sulfuric acid, dithalium(+) salt .....	1000	1,4	P115	100(45.4)
Thioacetamide .....	Ethanethiamide .....	1*	4	U218	10(45.4)
Thiophosphoric acid, tetraethyl ester .....	Tetraethylthiopyrophosphate .....	1*	4	P109	100(45.4)
Thifanox .....	2-Butanone, 3,3-dimethyl-1-(methylthio)-O-(nethylamino)carbonyl) oxime.	1*	4	P045	100(45.4)
Thiomidodicarbonic diamide [H <sub>2</sub> N(C(S)2S) <sub>2</sub> ] <sup>-</sup> .....	Dithiobutire .....	1*	4	P049	100(45.4)
Thiomethanol .....	Methanethiol .....	100	1,4	U153	100(45.4)
Thioperoxydicarbonic diamide [H <sub>2</sub> N(C(S)2S) <sub>2</sub> ] <sup>-</sup> .....	Methylmercaptan .....	1*	4	U244	10(45.4)
Thiophenol .....	Thiran .....	1*	4	P014	100(45.4)
Thiosemicarbazide .....	Benzenthiol .....	1*	4	P116	100(45.4)
Thiourea .....	Hydrazinecarbothioamide .....	1*	4	U219	10(45.4)
Thiourea, (2-chlorophenyl)- .....	62566 .....	1*	4	P026	100(45.4)
Thiourea, 1-naphthalenyl- .....	534421 .....	1*	4	P072	100(45.4)
Thiourea, phenyl- .....	86884 .....	1*	4	P093	100(45.4)
Thiram .....	103855 .....	1*	4	U244	10(45.4)
Titanium tetrachloride .....	[{H2NC(S)2S}2, tetramethyl-.....	1*	3	U220	1000(454)
Toluene .....	Benzene, methyl .....	1000	1,2,3,4	C	1000(454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ	
			RQ	Code <sup>†</sup>	RCRA Waste Number		
Toluenediamine .....	95807 496720 823405 25376458	Benzenediamine, ar-methyl- 2,4-Toluene diamine .....	1*	3.4	U221	A	10(4.54)
2,4-Toluene diamine .....	95807 496720 823405	Benzenediamine, ar-methyl- Toluenediamine .....	1*	3.4	U221	A	10(4.54)
Toluene diisocyanate .....	91087 584849 26471625	Benzene, 1,3-diisocyanatomethyl- 2,4-Toluene diisocyanate- .....	1*	3.4	U223	B	100 (45.4)
2,4-Toluene diisocyanate .....	91087 584849 26471625	Benzene, 1,3-diisocyanato(methyl)- Toluene diisocyanate .....	1*	3.4	U223	B	100 (45.4)
o-Toluidine .....	95534 106490 636215 8001352	Benzanamine, 2-methyl- Benzanamine, 4-methyl- Benzanamine, 2-methyl-, hydrochloride .....	1*	3.4	U228	B	100(45.4)
p-Toluidine .....	106490	Benzanamine, 4-methyl- .....	1*	4	U353	B	100 (45.4)
o-Toluidine hydrochloride .....	636215	Benzanamine, 2-methyl-, hydrochloride .....	1*	4	U222	B	100 (45.4)
Toxaphene .....	8001352	Camphene, octachloro- .....	1*	1,2,3,4	P123	X	1 (0.54)
2,4,5-TP acid .....	93721	Propionic acid, 2-(2,4,5-trichlorophenoxy)- .....	100	1,4	U233	B	100 (45.4)
2,4,5-TP esters .....	32534955 61825 52886 120821	Silox (2,4,5-TP) Anitrole .....	100	1	B	100 (45.4)	
1H-1,2,4-Triazol-3-amine .....	71556	Methyl chloroform .....	1*	4	U011	A	10 (4.54)
Trichlorofuran .....	79005	Ethane, 1,1,2-trichloro .....	1000	1	B	100 (45.4)	
1,2,4-Trichlorobenzene .....	79016	Trichlorethylene .....	1*	2,3	B	100 (45.4)	
1,1,1-Trichloroethane .....	79016	Ethane, trichloro .....	1*	2,3,4	U226	C	1000 (454)
1,1,2-Trichloroethane .....	79016	Ethane, 1,1,2-trichloro .....	1*	2,3,4	U227	B	100 (45.4)
Trichloroethene .....	79016	Trichloroethylene .....	1000	1,2,3,4	U228	B	100 (45.4)
Trichloroethylene .....	594423 75684 25167822 15650660	Trichloroethylene .....	1*	4	P118 U121	B D	100 (45.4) 5000 (2270) 10 (4.54)
Trichloromethanesulfenyl chloride .....	933788	Methanesulfenyl chloride, trichloro- Methane, trichlorofluoro- .....	1*	1	A		
Trichloromonomonofluoromethane .....	933755 95054 88062 609198	Phenol, 2,4,5-trichloro- Phenol, 2,4,6-trichloro- Phenol, 2,4,6-trichlorophenol .....	10	1,3,4 1,2,3,4	U230 U231	A A	10 (4.54) 10 (4.54)

**Environmental Protection Agency**
**§ 302.4**

2,4,5-Trichlorophenol .....	95954 Phenol, 2,4,5-trichloro-.....	10*	1,4	U230	A	10 (4.54)
2,4,6-Trichlorophenol .....	88062 Phenol, 2,4,6-trichloro-.....	10	1,2,4	U231	A	10 (4.54)
Triethanolamine dodecybenzenesulfonate .....	27323417 .....	1000	1	C	1000 (454)	
Triethylamine .....	121448 .....	5000	1,3	D	5000 (2270)	
Trituratin .....	1582098 .....	1000	1*	A	10 (4.54)	
Trimethylamine .....	75503 .....	1000	1	B	100 (45.4)	
2,2,4-Trimethylpentane .....	540841 Benzene, 1,3,5-trinitro-.....	1*	3	C	1000 (454)	
1,3,5-Tribromobenzene .....	99354 Benzene, 1,3,5-trinitro-.....	1*	4	U234	A	10 (4.54)
1,3,5-Trioxane, 2,4,6-trimethyl-.....	123637 Formaldehyde .....	1*	4	U182	C	1000 (454)
Tris(2,3-dibromopropyl) phosphate .....	126727 1-Propanol, 2,3-dibromo-, phosphate (3:1) .....	1*	4	U235	A	10 (4.54)
Typan blue .....	72571 2,7-Naphthalenedisulfonic acid, 3,3'-3,3'-dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(azo)[bis(5-amino-4-hydroxy)-tertasodium salt. ....	1*	4	U236	A	10 (4.54)
N.A. ....	N.A. ....	1*	4	D002	B	100 (45.4)
N.A. ....	N.A. ....	1*	4	D004	X	1 (0.454)
Unlisted Hazardous Wastes Characteristics: .....	Characteristic of Toxicity: .....	*1	4	D005	C	1,000 (454)
Characteristic of Corrosivity: .....	Characteristic of Corrosivity: .....	1000	1,2,3,	D018	A	10 (4.54)
Arsenic (D004) .....	N.A. ....	1000	4			
Barium (D005) .....	N.A. ....	5,000	1,2,4	D019	A	10 (4.54)
Benzene (D018) .....	N.A. ....	5,000	1,2,4	D020	X	1 (0.454)
Cadmium (D006) .....	N.A. ....	100	1,2,4	D021	B	100 (454)
Carbon tetrachloride (D019) .....	N.A. ....	5,000	1,2,4	D022	A	10 (4.54)
Chlordane (D020) .....	N.A. ....	5,000	1,2,4	D007	A	10 (4.54)
Chlorobenzene (D021) .....	N.A. ....	1*	4	D023	B	100 (454)
Chloroform (D022) .....	N.A. ....	1*	4	D024	B	100 (454)
Chromium (D007) .....	N.A. ....	1*	4	D025	B	100 (454)
o-Cresol (D023) .....	N.A. ....	1*	4	D016	B	100 (454)
m-Cresol (D024) .....	N.A. ....	1*	4	D027	B	100 (454)
p-Cresol (D025) .....	N.A. ....	1*	4	D028	B	100 (454)
Cresol (D026) .....	N.A. ....	100	1,2,4	D029	B	100 (454)
2,4-D (D016) .....	N.A. ....	5,000	1,2,4	D034	B	100 (454)
1,4-Dichlorobenzene (D027) .....	N.A. ....	5,000	1,2,4	D035	D	5,000 (2270)
1,2-Dichloroethane (D028) .....	N.A. ....	1,000	1,2,4	D036	C	1,000 (454)
1,1-Dichloroethylene (D029) .....	N.A. ....	1*	4	D037	C	1,000 (454)
2,4-Dinitrotoluene (D030) .....	N.A. ....	1*	4	D008	A	10 (4.54)
Endin (D012) .....	N.A. ....	1	1,4	D012	X	1 (0.454)
Heptachlor (and epoxide) (D031) .....	N.A. ....	1	2,4	D031	X	1 (0.454)
Hexachlorobenzene (D032) .....	N.A. ....	*1	2,4	D032	A	10 (4.54)
Hexachlorobutadiene (D033) .....	N.A. ....	*1	2,4	D033	X	1 (0.454)
Hexachloroethane (D034) .....	N.A. ....	*1	2,4	D034	B	100 (454)
Lead (D009) .....	N.A. ....	1*	4	D009	A	10 (4.54)
Lindane (D013) .....	N.A. ....	1	1,4	D013	X	1 (0.454)
Mercury (D009) .....	N.A. ....	*1	4	D009	X	1 (0.454)
Methoxychlor (D014) .....	N.A. ....	1	1,4	D014	X	1 (0.454)
Methyl ethyl ketone (D035) .....	N.A. ....	*1	4	D035	D	5,000 (2270)
Nitrobenzene (D036) .....	N.A. ....	1,000	1,2,4	D036	C	1,000 (454)
Peatchlorophenol (D037) .....	N.A. ....	*1	4	D038	C	1,000 (454)
Pyridine (D038) .....	N.A. ....	*1	4	D010	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	RQ	Code <sup>†</sup>	Statutory RCRA waste Number	Cat-egory	Pounds (kg)	Final RQ
Silver (D011) .....	N.A. ....	.....	*1	4	D011	X	1 (0.454)	
Tetrachloroethylene (D039) .....	N.A. ....	.....	*1	2,4	D039	B	100 (45.4)	
Toxaphene (D015) .....	N.A. ....	.....	1	1,4	D015	X	1 (0.454)	
Trichloroethylene (D040) .....	N.A. ....	.....	1000	1,2,4	D040	B	100 (45.4)	
2,4,5-Trichlorophenol (D041) .....	N.A. ....	.....	10	1,4	D041	A	10 (4.54)	
2,4,6-Trichlorophenol (D042) .....	N.A. ....	.....	10	1,2,4	D042	A	10 (4.54)	
2,4,5-TP (D017) .....	N.A. ....	.....	100	1,4	D017	B	100 (45.4)	
Vinyl chloride (D043) .....	N.A. ....	.....	*1	2,3,4	D043	X	1 (0.454)	
Unlisted Hazardous Wastes Characteristic of Ignitability .....	N.A. ....	.....	1*	4	D001	B	100 (45.4)	
Unlisted Hazardous Wastes Characteristic of Reactivity .....	N.A. ....	.....	1*	4	D003	B	100 (45.4)	
Uracil mustard .....	66751	2-(4-(1H-3 <i>H</i> -Pyrimidinedione, chloroethyl)amino)-5-[bis(2-	1*	4	U237	A	10 (4.54)	
Uranyl acetate .....	541093	.....	5000	1				
Uranyl nitrate .....	10102064	.....	5000	1				
Urea, N-ethyl-N-nitroso- .....	36478769	N-Nitroso-N-ethylurea .....	1*	4	U176	X	1 (0.454)	
Urea, N-methyl-N-nitroso- .....	759739	N-Nitroso-N-methylurea .....	1*	3,4	U177	X	1 (0.454)	
Urethane .....	684935	Carbamic acid, ethyl ester .....	1*	3,4	U238	B	100 (45.4)	
Vanadic acid, ammonium salt .....	51796	Ethyl carbamate .....	1*	3,4				
Vanadium oxide V <sub>2</sub> O <sub>5</sub> .....	7803556	Ammonium vanadate .....	1*	4	P119	C	1000 (454)	
Vanadium pentoxide .....	1314621	Vanadium pentoxide .....	1000	1,4	P120	C	1000 (454)	
Vanadyl sulfate .....	1314621	Vanadium oxide V <sub>2</sub> O <sub>5</sub> .....	1000	1,4	P120	C	1000 (454)	
Vinyl acetate .....	27774136	Vinyl acetate monomer .....	1000	1				
Vinyl acetate monomer .....	108054	Vinyl acetate .....	1000	1,3	D	5000 (2270)		
Vinyamine, N-methyl-N-nitroso- .....	4549400	N-Nitrosomethylvinylamine .....	1*	4	P084	A	10 (4.54)	
Vinyl bromide .....	593602	Ethene, chloro- .....	1*	3				
Vinyl chloride .....	75014	1,1-Dichloroethylene .....	5000	2,3,4	U043	X	1 (0.454)	
Vinyldene chloride .....	75354	Ethene, 1,1-dichloro-2-	1000	1,2,3,4	U078	B	100 (45.4)	
Warfarin, & salts, when present at concentrations greater than 0.3% .....	81812	2 <i>H</i> -1-Benzopyran-2-one, 4-hydroxy-3- <i>g</i> -oxo-1-phenyl-butyl), & salts, when present at concentrations greater than 0.3%.	1*	4	P001	B	100 (45.4)	
Xylene .....	1330207	Benzene, dimethyl- .....	1000	1,3,4	U239	B	100 (45.4)	
m-Xylene .....	108383	Xylenes (isomers and mixture)	1*	3				
o-Xylene .....	95476	Benzene, m-dimethyl-	1*	3	C	1000 (454)		
p-Xylene .....	106423	Benzene, p-dimethyl-	1*	3	C	1000 (454)		

**Environmental Protection Agency**
**§ 302.4**

Xylene (mixed) .....	1330207	Benzene, dimethyl-Xylene Xylenes (isomers and mixture)	1000	1,3,4	U239	B	100 (45.4)
Xylenes (isomers and mixture) .....	1330207	Benzene, dimethyl-Xylene Xylenes (mixed)	1000	1,3,4	U239	B	100 (45.4)
Xylenol .....Yohimb-16-carboxylic acid, 11,17-dimethoxy-18-[3,4,5-trimethoxybenzoyloxy], methyl ester (3beta,16beta,17alpha,18beta,20alpha)-ZINC AND COMPOUNDS .....	1300716 50555	Reserpine .....	1000	1*	U200	C D	1000 (454) 5000 (2270)
Zinc <sup>++</sup> Zinc acetate .....	7440666 N.A. 557346	.....	1*	2	C	1000 (454) 1000 (454) 1000 (454)	**
Zinc ammonium chloride .....	52628258 14639975 14639866	.....	1*	1*	1000 5000	1	1000 (454) 1000 (454)
Zinc, bis(dimethylcarbomodithioato-S,S), (Ziram) .....	137304	.....	1*	4	P205	##	
Zinc borate .....	1332076	.....	1000	1	C	1000 (454)	
Zinc bromide .....	7689458	.....	5000	1	C	1000 (454)	
Zinc carbonate .....	34886359	.....	1000	1	C	1000 (454)	
Zinc chloride .....	7646857	.....	5000	1	C	1000 (454)	
Zinc cyanide Zn(CN)2 .....	557211	Zinc cyanide Zn(CN)2 .....	10	1,4	P121	A	10 (4.54)
Zinc cyanide Zn(CN)2 .....	557211	Zinc cyanide .....	10	1,4	P121	A	10 (4.54)
Zinc fluoride .....	7783495	.....	1000	1	C	1000 (454)	
Zinc formate .....	557415	.....	1000	1	C	1000 (454)	
Zinc hydrosulfite .....	7779864	.....	1000	1	C	1000 (454)	
Zinc nitrate .....	7779886	.....	5000	1	C	1000 (454)	
Zinc phenosulfonate .....	127822	.....	5000	1	D	5000 (2270)	
Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10%.	1314847	Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10%.	1000	1,4	P122	B	100 (45.4)
Zinc phosphide Zn <sub>3</sub> P <sub>2</sub> , when present at concentrations greater than 10%.	1314847	Zinc phosphide .....	1000	1,4	P122	B	100 (45.4)
Zinc silicofluoride .....	16871719	.....	5000	1	D	5000 (2270)	
Zinc sulfate .....	7733020	.....	1000	1	C	1000 (454)	
Zirconium nitrate .....	13746889	.....	5000	1	D	5000 (2270)	
Zirconium potassium fluoride .....	16923958	.....	5000	1	C	1000 (454)	
Zirconium sulfate .....	14644612	.....	5000	1	D	5000 (2270)	
Zirconium tetrachloride .....	10026116	.....	1*	4	F001	A	10 (4.54)
F001 .....		The following spent halogenated solvents used in degreasing, all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and spent solvent mixtures.					
(a) Tetrachloroethylene .....	1271784	.....	1*	2,4	U210	B	100 (45.4)
(b) Trichloroethylene .....	79016	.....	1000	1,2,4	U228	B	100 (45.4)
(c) Methylene chloride .....	75092	.....	1*	2,4	U080	C	1000 (454)
(d) 1,1,1-trichloroethane .....	71556	.....	1*	2,4	U226	C	1000 (454)
(e) Carbon tetrachloride .....	56235	.....	5000	1,2,4	U211	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
(f) Chlorinated fluorocarbons	N.A.	.....	1*	4	F002	D A
F002	.....	.....	1*	4	F002	D 10 (4.54)
The following spent halogenated solvents; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures:	127184 75092 79016 71556 108907 76131 95601 75694 79005 .....	..... ..... ..... ..... ..... ..... ..... ..... ..... .....	1* 1* 1000 100 100 100 100 1* 1*	2.4 2.4 1.24 1.24 1.24 1.24 1.24 2.4 2.4	U210 U080 U228 U226 U037 D U070 U121 B	100 (45.4) 1000 (454) 100 (45.4) 1000 (454) 100 (45.4) 5000 (2270) 100 (45.4) 5000 (2270) 100 (45.4)
(a) Tetrachloroethylene	.....	.....	.....	.....	.....	.....
(b) Methylene chloride	.....	.....	.....	.....	.....	.....
(c) Trichloroethylene	.....	.....	.....	.....	.....	.....
(d) 1,1,1-Trichloroethane	.....	.....	.....	.....	.....	.....
(e) Chlorobenzene	.....	.....	.....	.....	.....	.....
(f) 1,1,2-Trichloro-1,2,2-trifluoroethane	.....	.....	.....	.....	.....	.....
(g) o-Dichlorobenzene	.....	.....	.....	.....	.....	.....
(h) Trichlorofluoromethane	.....	.....	.....	.....	.....	.....
(i) 1,1,2-Trichloroethane	.....	.....	.....	.....	.....	.....
F003	.....	.....	.....	.....	.....	.....
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:	1330207 67641 141786 100414 60297 108101 71363 108941 67561 .....	..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... ..... ..... ..... .....	C D 5000 (2270) C 1000 (454) B 5000 (2270) D 5000 (2270) D 5000 (2270) 100 (45.4)
(a) Xylene	.....	.....	.....	.....	.....	.....
(b) Acetone	.....	.....	.....	.....	.....	.....
(c) Ethyl acetate	.....	.....	.....	.....	.....	.....
(d) Ethylbenzene	.....	.....	.....	.....	.....	.....
(e) Ethyl ether	.....	.....	.....	.....	.....	.....
(f) Methyl isobutyl ketone	.....	.....	.....	.....	.....	.....
(g) n-Butyl alcohol	.....	.....	.....	.....	.....	.....
(h) Cyclohexanone	.....	.....	.....	.....	.....	.....
(i) Methanol	.....	.....	.....	.....	.....	.....
F004	.....	.....	.....	.....	.....	.....
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:	1319773 98953 .....	..... ..... .....	1000 1000 .....	1.34 1.24 1*	U052 U169 F004	B C B
(a) Cresols/Cresylic acid	.....	.....	.....	.....	.....	100 (45.4)
(b) Nitrobenzene	.....	.....	.....	.....	.....	100 (45.4)
F005	.....	.....	.....	.....	.....	.....
The following spent non-halogenated solvents and the still bottoms from the recovery of these solvents:	108883 78333 75150 78831 110861	..... ..... ..... ..... .....	1000 5000 1,1 1*	1.24 1* 1.1 1*	U220 U159 P022 U140 U196	C D B D C
(a) Toluene	.....	.....	.....	.....	.....	1000 (454)
(b) Methyl ethyl ketone	.....	.....	.....	.....	.....	5000 (2270)
(c) Carbon disulfide	.....	.....	.....	.....	.....	100 (45.4)
(d) Isobutanol	.....	.....	.....	.....	.....	5000 (2270)
(e) Pyridine	.....	.....	.....	.....	.....	1000 (454)

**Environmental Protection Agency**

**§ 302.4**

F006 .....	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum, (2) tin plating on carbon steel, (3) zinc plating (segregated basis) on carbon steel, (4) aluminum or zinc-aluminum plating on carbon steel, (5) clearing/stripping associated with tin, zinc and aluminum plating on carbon steel, and (6) chemical etching and milling of aluminum.	.....	1*	4	F006	A	10 (4.54)
F007 .....	Spent cyanide plating bath solutions from electroplating operations.	.....	1*	4	F007	A	10 (4.54)
F008 .....	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.	.....	1*	4	F008	A	10 (4.54)
F009 .....	Spent stripping and clearing bath solutions from electroplating operations where cyanides are used in the process.	.....	1*	4	F009	A	10 (4.54)
F010 .....	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.	.....	1*	4	F010	A	10 (4.54)
F011 .....	Spent cyanide solution from salt bath pot cleaning from metal heat treating operations.	.....	1*	4	F011	A	10 (4.54)
F012 .....	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process.	.....	1*	4	F012	A	10 (4.54)
F019 .....	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.	.....	1	4	F019	A	10 (4.54)
F020 .....	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol, or of intermediates used to produce their pesticidal derivatives. (This listing does not include wastes from the production of hexachlorophene from highly purified 2,4,5-trichlorophenol).	.....	1*	4	F020	X	1 (0.454)
F021 .....	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce its derivatives.	.....	1*	4	F021	X	1 (0.454)
F022 .....	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.	.....	1*	4	F022	X	1 (0.454)
F023 .....	.....	.....	1*	4	F023	X	1 (0.454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexa-chlorophene from highly purified 2,4,5-tri-chlorophenol.) F024 .....				1*	4	F024 X 1 (0.454)
Wastes, including but not limited to distillation residues, heavy ends, tars, and reactor cleanout wastes, from the production of chlorinated aliphatic hydrocarbons, having carbon content from one to five, utilizing free radical catalyzed processes. (This listing does not include light ends, spent filters and filter aids, spent desiccants [sic], wastewater, wastewater treatment sludges, spent catalysts, and wastes listed in § 261.32.) F025 .....				1*	4	F025 X 1 (0.454)
Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. F026 .....				1*	4	F026 X 1 (0.454)
Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzene under alkaline conditions. F027 .....				1*	4	F027 X 1 (0.454)
Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing hexachlorophene synthesized from prepurified 2,4,5-tri-chlorophenol as the sole component). F028 .....				1*	4	F028 X 1 (0.454)
Residues resulting from the incineration or thermal treatment of soil contaminated with EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027. F032 .....				1*	4	F032 X 1(0.454)

Environmental Protection Agency

§ 302.4

Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations (except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with § 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), and where the generator does not resuse or initiate use of chlorophenolic formulations). This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	F034	4	F034	X	1*	1 (0.454)
Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	F035	4	F035	X	1*	1 (0.454)
Wastewaters (except those that have not come into contact with process contaminants), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.	F037	4	F037	X	1*	1 (0.454)
Petroleum refinery primary oil/water/solids separation sludge—Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in: oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow. Sludge generated in stormwater units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oily cooling waters, sludges generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes that are not included in this listing.	F038	4	F038	X	1*	1 (0.454)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Petroleum refinery secondary (emulsified) oil/water/solids separation sludge—Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewater and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in stormwater units that do not receive dry weather flow, sludges generated from once-through non-contact cooling waters segregated for treatment from other process or oil cooling wastes, sludges and floats generated in aggressive biological treatment units as defined in § 261.31(b)(2) (including sludges and floats generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units), and F037, K048, and K051 wastes are not included in this listing.						
K001 ..... Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.			1*	4	K001	X 1 (0.454)
K002 ..... Wastewater treatment sludge from the production of chrome yellow and orange pigments.			1*	4	K002	A 10 (4.54)
K003 ..... Wastewater treatment sludge from the production of molybdate orange pigments.			1*	4	K003	A 10 (4.54)
K004 ..... Wastewater treatment sludge from the production of zinc yellow pigments.			1*	4	K004	A 10 (4.54)
K005 ..... Wastewater treatment sludge from the production of chrome green pigments.			1*	4	K005	A 10 (4.54)
K006 ..... Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).			1*	4	K006	A 10 (4.54)
K007 ..... Wastewater treatment sludge from the production of iron blue pigments.			1*	4	K007	A 10 (4.54)
K008 ..... Oven residue from the production of chrome oxide green pigments.			1*	4	K008	A 10 (4.54)
K009 ..... Oven residue from the production of chrome oxide green pigments.			1*	4	K009	A 10 (4.54)

**Environmental Protection Agency**
**§ 302.4**

Distillation bottoms from the production of acetaldehyde from ethylene.	.....	1*	4	K010	A	10 (4.54)
K010 .....	.....	1*	4	K011	A	10 (4.54)
Distillation side cuts from the production of acetaldehyde from ethylene.	.....	1*	4	K013	A	10 (4.54)
K011 .....	.....	1*	4	K014	D	5000 (2270)
Bottom stream from the wastewater stripper in the production of acrylonitrile.	.....	1*	4	K015	A	10 (4.54)
K013 .....	.....	1*	4	K016	X	1 (0.454)
Bottom stream from the acetonitrile column in the production of acrylonitrile.	.....	1*	4	K017	A	10 (4.54)
K014 .....	.....	1*	4	K018	X	1 (0.454)
Bottoms from the acetonitrile purification column in the production of acrylonitrile	.....	1*	4	K019	X	1 (0.454)
K015 .....	.....	1*	4	K020	X	1 (0.454)
Still bottoms from the distillation of benzyl chloride.	.....	1*	4	K021	A	10 (4.54)
K016 .....	.....	1*	4	K022	X	1 (0.454)
Heavy ends or distillation residues from the production of carbon tetrachloride.	.....	1*	4	K023	D	5000 (2270)
K017 .....	.....	1*	4	K024	D	5000 (2270)
Heavy ends (still bottoms) from the purification column in the production of epi-chlorohydrin.	.....	1*	4	K025	A	10 (4.54)
K018 .....	.....	1*	4	K026	C	1000 (454)
Heavy ends from the fractionation column in ethyl chloride production.	.....	1*	4	K027	A	10 (4.54)
K019 .....	.....	1*	4			
Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.	.....	1*	4			
K020 .....	.....	1*	4			
Heavy ends from the distillation of vinyl chloride monomer production.	.....	1*	4			
K021 .....	.....	1*	4			
Aqueous spent antimony catalyst waste from fluoromethanes production.	.....	1*	4			
K022 .....	.....	1*	4			
Distillation bottom tars from the production of phenolacetone from cumene.	.....	1*	4			
K023 .....	.....	1*	4			
Distillation light ends from the production of phthalic anhydride from naphthalene.	.....	1*	4			
K024 .....	.....	1*	4			
Distillation bottoms from the production of phthalic anhydride from naphthalene.	.....	1*	4			
K025 .....	.....	1*	4			
Distillation bottoms from the production of nitrobenzene by the nitration of benzene.	.....	1*	4			
K026 .....	.....	1*	4			
Stripping still tails from the production of methyl ethyl pyridines.	.....	1*	4			
K027 .....	.....	1*	4			

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Centrifuge and distillation residues from toluene diisocyanate production.			1*	4	K028	X
K028 ..... Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.			1*	4	K029	X
K029 ..... Waste from the product steam stripper in the production of 1,1,1-trichloroethane.			1*	4	K030	X
K030 ..... Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.			1*	4	K031	X
K031 ..... By-product salts generated in the production of MSMA and cacodylic acid.			1*	4	K032	A
K032 ..... Wastewater treatment sludge from the production of chlordane.			1*	4	K033	A
K033 ..... Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.			1*	4	K034	A
K034 ..... Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.			1*	4	K035	X
K035 ..... Wastewater treatment sludges generated in the production of creosote.			1*	4	K036	X
K036 ..... Still bottoms from toluene reclamation distillation in the production of disulfoton.			1*	4	K037	X
K037 ..... Wastewater treatment sludges from the production of disulfoton.			1*	4	K038	A
K038 ..... Wastewater from the washing and stripping of phorate production.			1*	4	K039	A
K039 ..... Filter cake from the filtration of diethylphosphorothioic acid in the production of phorate.			1*	4	K040	A
K040 ..... Wastewater treatment sludge from the production of phorate.			1*	4	K041	X
K041 ..... Wastewater treatment sludge from the production of toxaphene.			1*	4		1 (0.454)

**Environmental Protection Agency**
**§ 302.4**

K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.	1*	4	K042	A	10 (4.54)
K043	2,6-Dichlorophenol waste from the production of 2,4-D.	1*	4	K043	A	10 (4.54)
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.	1*	4	K044	A	10 (4.54)
K045	Spent carbon from the treatment of wastewater containing explosives.	1*	4	K045	A	10 (4.54)
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds.	1*	4	K046	A	10 (4.54)
K047	Pink/red water from TNT operations.	1*	4	K047	A	10 (4.54)
K048	Dissolved air floatation (DAF) float from the petroleum refining industry.	1*	4	K048	A	10 (4.54)
K049	Stop oil emulsion solids from the petroleum refining industry.	1*	4	K049	A	10 (4.54)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	1*	4	K050	A	10 (4.54)
K051	API separator sludge from the petroleum refining industry.	1*	4	K051	A	10 (4.54)
K052	Tank bottoms (leaded) from the petroleum refining industry.	1*	4	K052	A	10 (4.54)
K060	Ammonia still lime sludge from coking operations.	1*	4	K060	X	1 (0.454)
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.	1*	4	K061	A	10 (4.54)
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron and steel industry (SIC Codes 331 and 332).	1*	4	K062	A	10 (4.54)
K064	Acid plant blowdown slurry/sludge resulting from thickening of blowdown slurry from primary copper production.	1*	4	K064	A	10 (4.54)
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.	1*	4	K065	A	10 (4.54)
K066	Sludge from treatment of process wastewater and/or acid plant blow-down from primary zinc production.	1*	4	K066	A	10 (4.54)
K069	Emission control dust/sludge from secondary lead smelting.	1*	4	K069	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA waste Number	
K071 .....	.....	.....	1*	4	K071	X
Brine purification muds from the mercury cell process in chlorine production, where separately prepared brine is not used.	.....	.....	1*	4	K073	A
K073 .....	.....	.....	1*	4	K073	A
Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.	.....	.....	1*	4	K083	B
K083 .....	.....	.....	1*	4	K084	X
Distillation bottoms from aniline extraction.	.....	.....	1*	4	K084	X
K084 .....	.....	.....	1*	4	K084	X
Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	.....	.....	1*	4	K085	A
K085 .....	.....	.....	1*	4	K086	A
Distillation or fractionation column bottoms from the production of chlorobenzenes.	.....	.....	1*	4	K086	A
K086 .....	.....	.....	1*	4	K086	A
Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.	.....	.....	1*	4	K087	B
K087 .....	.....	.....	1*	4	K088	A
Decanter tank tar sludge from coking operations.	.....	.....	1*	4	K088	A
K088 .....	.....	.....	1*	4	K090	A
Spent polliners from primary aluminum reduction.	.....	.....	1*	4	K091	A
K090 .....	.....	.....	1*	4	K093	D
Emission control dust or sludge from ferrochromiumsilicon production.	.....	.....	1*	4	K094	D
K091 .....	.....	.....	1*	4	K095	B
Emission control dust or sludge from ferrochromium production.	.....	.....	1*	4	K096	B
K093 .....	.....	.....	1*	4	K096	B
Distillation light ends from the production of phthalic anhydride from ortho-xylene.	.....	.....	1*	4	K096	B
K094 .....	.....	.....	1*	4	K096	B
Distillation bottoms from the production of phthalic anhydride from ortho-xylene.	.....	.....	1*	4	K096	B
K095 .....	.....	.....	1*	4	K096	B
Distillation bottoms from the production of 1,1,1-trichloroethane.	.....	.....	1*	4	K096	B
K096 .....	.....	.....	1*	4	K096	B

**Environmental Protection Agency**
**§ 302.4**

Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane.	.....	1*	4	K097	X	1 (0.454)
K097 ..... Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.	.....	1*	4	K098	X	1 (0.454)
K098 ..... Untreated process wastewater from the production of toxaphene.	.....	1*	4	K099	A	10 (4.54)
K099 ..... Untreated wastewater from the production of 2,4-D.	.....	1*	4	K100	A	10 (4.54)
K100 ..... Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.	.....	1*	4	K101	X	1 (0.454)
K101 ..... Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	.....	1*	4	K102	X	1 (0.454)
K102 ..... Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.	.....	1*	4	K103	B	100 (45.4)
K103 ..... Process residues from the production of aniline.	.....	1*	4	K104	A	10 (4.54)
K104 ..... Combined wastewater streams generated from nitrobenzene/aniline production.	.....	1*	4	K105	A	10 (4.54)
K105 ..... Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.	.....	1*	4	K106	X	1 (0.454)
K106 ..... Wastewater treatment sludge from the mercury cell process in chlorine production.	.....	10	4	K107	X	10 (4.54)
K107 ..... Column bottoms from product separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazines.	.....	10	4	K108	X	10 (4.54)
K108 ..... Condensed column overheads from product separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	.....	10	4	K109	X	10 (4.54)
K109 ..... Spent filter cartridges from product purification from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	.....	10	4	K110	X	10 (4.54)
K110 ..... Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.	.....	1*	4	K111	A	10 (4.54)

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	Statutory			Final RQ
			RQ	Code <sup>†</sup>	RCRA Waste Number	
Product washwaters from the production of dinitrotoluene via nitration of toluene.						
K112 .....			1*	4	K112	A 10 (4.54)
Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.						
K113 .....			1*	4	K113	A 10 (4.54)
Condensed liquid light ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.						
K114 .....			1*	4	K114	A 10 (4.54)
Vichnals from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.						
K115 .....			1*	4	K115	A 10 (4.54)
Heavy ends from the purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.						
K116 .....			1*	4	K116	A 10 (4.54)
Organic condensate from the solvent recovery column in the production of toluene disocyanate via phosgenation of toluenediamine.						
K117 .....			1*	4	K117	X 1 (0.454)
Wastewater from the reaction vent gas scrubber in the production of ethylene bromide via bromination of ethene.						
K118 .....			1*	4	K118	X 1 (0.454)
Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide.						
K123 .....			1*	4	K123	A 10 (4.54)
Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenethiocarbamic acid and its salts.						
K124 .....			1*	4	K124	A 10 (4.54)
Reactor vent scrubber water from the production of ethylenethiocarbamic acid and its salts.						
K125 .....			1*	4	K125	A 10 (4.54)
Filtration, evaporation, and centrifugation solids from the production of ethylenethiocarbamic acid and its salts.						
K126 .....			1*	4	K126	A 10 (4.54)
Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenethiocarbamic acid and its salts.						
K131 .....			100	4	K131	X 100 (45.4)

**Environmental Protection Agency**
**§ 302.4**

Wastewater from the reactor and spent sulfuric acid from the acid dryer in the production of methyl bromide.							
K132 ..... Spent adsorbent and wastewater solids from the production of methyl bromide				1000	4	K132	X
K136 ..... Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.				1*	4	K136	X
K141 ..... Process related from the recovery of coal tar, including, but not limited to, tar collecting sump residues from the production of coke by-products produced from coal. (This listing does not include K087 (decanter tank tar sludge from coking operations).)				1*	4	K141	X
K142 ..... Tar storage tank residues from the production of coke from coal or from the recovery of coke by-products produced from coal.				1*	4	K142	X
K143 ..... Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.				1*	4	K143	X
K144 ..... Wastewater sump residues from light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.				1*	4	K144	X
K145 ..... Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.				1*	4	K145	X
K147 ..... Tar storage tank residues from coal tar refining.				1*	4	K147	X
K148 ..... Residues from coal tar distillation, including, but not limited to, still bottoms.				1*	4	K148	X
K149 ..... Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures with mixtures of these functional groups. [This waste does not include still bottoms from the distillation of benzyl chloride.]				1*	4	K149	A
K150 ..... Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.				1*	4	K150	A
K151 .....				1*	4	K151	A

**§ 302.4**

**40 CFR Ch. I (7-1-00 Edition)**

**TABLE 302.4—LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES—Continued**

[Note: All Comments/Notes Are Located at the End of This Table]

Hazardous substance	CASRN	Regulatory synonyms	RQ	Code <sup>†</sup>	Statutory RCRA waste Number	Category	Final RQ
Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha-(or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.							
K156 .....			*1	4	K156		##
Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and deionantes) from the production of carbamates and carbanoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylicarbamate.).			*1	4	K157		##
Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbanoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylicarbamate.).			*1	4	K158		##
K158 .....							
Bag house dusts and filter/separation solids from the production of carbamates and carbanoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl n-butylicarbamate.).			1*	4	K159		##
K159 .....							
Organics from the treatment of thiocarbamate wastes.			1*	4	K161		##
K161 .....							
Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust, and floor sweepings from the production of dithiocarbamate acids and their salts (This listing does not include K125 or K126.).			1*	4	K169	A	10(4.54)
K169 .....							
Crude oil storage tank sediment from petroleum refining operations.			1*	4	K170	X	1 (0.454)
K170 .....							
Clarified surly oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.			1*	4	K171	X	1 (0.454)
K171 .....							
Spent hydrotreating catalyst from petroleum refining operations. (This listing does not include inert support media.)			1*	4	K172	X	1 (0.454)
K172 .....							

**Environmental Protection Agency**

**§ 302.4**

Spent hydrorefining catalyst from petroleum refining operations. (This listing does not include inert support media.)

<sup>†</sup> Indicates the statutory source as defined by 1, 2, 3, and 4 below.

<sup>‡‡</sup> No reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 100 micrometers (0.004 inches).

<sup>††</sup> The RQ for asbestos is limited to friable forms only.

1—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 311(b)(4).

2—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CWA Section 307(a).

3—Indicates that the statutory source for designation of this hazardous substance under CERCLA is CAA Section 112.

4—Indicates that the statutory source for designation of this hazardous substance under CERCLA is RCRA Section 3001.

1\*—Indicates that the 1-pound RQ is a CERCLA statutory RQ.

# Indicates that the RQ is subject to change when the assessment of potential carcinogenicity is completed.

## The Agency may adjust the statutory RQ for this hazardous substance in a future rulemaking; until then the statutory RQ applies.

\$—The adjusted RQs for radionuclides may be found in appendix B to this table.

\*\*—Indicates that no RQ is being assigned to the generic or broad class.

<sup>a</sup> Benzene was already a CERCLA hazardous substance prior to the CAA Amendments of 1990 and received an adjusted 10-pound RQ based on potential carcinogenicity in an August 14, 1989, final rule (54 FR 33418). The CAA Amendments specify that "benzene (including benzene from gasoline)" is a hazardous air pollutant and, thus, a CERCLA hazardous substance.

<sup>b</sup> The CAA Amendments of 1990 list DDE (3547-04-4) as a CAA hazardous air pollutant. The CAS number, 3547-04-4, is for the chemical, p,p'-dichlorodiphenylmethane. DDE or p,p'-dichlorodiphenylmethane, CAS number 72-55-9, is already listed in table 302.4 with a final RQ of 1 pound. The substance identified by the CAS number 3547-04-4 has been evaluated and listed as DDE to be consistent with the CAA section 112 listing, as amended.

<sup>c</sup> Includes mineral fiber emissions from facilities manufacturing or processing glass, rock, or slag fibers (or other mineral derived fibers) of average diameter 1 micrometer or less.

<sup>d</sup> Includes mono- and diethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR' where n=1, 2, or 3.

R=alkyl or aryl groups

<sup>e</sup> Includes organic compounds with more than one benzene ring, and which have a boiling point greater than or equal to 100 °C.

<sup>f</sup> See 40 CFR 302.6(b)(1) for application of the mixture rule to this hazardous waste.

**§ 302.4**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES**

CASRN	Hazardous substance
50000	Formaldehyde.
50077	Azirino[2',3'-3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-[1aS-(1alpha,8beta,8alpha,8balpha)]-Mitomycin C.
50180	Cyclophosphamide. 2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide.
50293	Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-4,4'DDT.
50328	Benz[a]pyrene. 3,4-Benzopyrene.
50555	Reserpine. Yohimban-16-carboxylic acid,11,17-dimethoxy-18-[(3',4,5-trimethoxybenzoyl)oxy]-, methyl ester (3beta, 16beta,17alpha,18beta,20alpha)-.
51285	Phenol, 2,4-dinitro-. 2,4-Dinitrophenol.
51434	Epinephrine. 1,2-Benzenediol,4-[1-hydroxy-2-(methylaminoethyl)].
51796	Carbamic acid, ethyl ester. Ethyl carbamate.
52686	Urethane.
52857	Trichlorfon. Famphur.
53703	Phosphorothioic acid, O,[4-[(dimethyl- amino)sulfonyl]phenyl]O,O-dimethyl ester. Dibenzo[a,h]anthracene. Dibenzo[a,h]anthracene. 1,2:5,6-Dibenzanthracene.
53963	Acetamide, N-9H-fluoren-2-yl-. 2-Acetylaminofluorene.
54115	Nicotine & salts.
55185	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-. Ethanamine, N-ethyl-N-nitroso-. N-Nitrosodiethylamine.
55630	Nitroglycerine.
55914	1,2,3-Propanetriol, trinitrate-. Diisopropylfluorophosphate.
56042	Phosphorofluoridic acid, bis(1-methyl- ethyl ester). Methylthiouracil.
56235	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-.
56382	Carbon tetrachloride. Methane, tetrachloro-. Parathion.
56495	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester. Benz[[j]aceanthrylene, 1,2-dihydro-3-methyl-3-Methylcholanthrene.
56531	Diethylstilbestrol.
56553	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-. Benz[a]anthracene.
56724	1,2-Benzanthracene. Coumaphos.
57125	Cyanides (soluble salts and complexes) not otherwise specified.
57147	Hydrazine, 1,1-dimethyl-. 1,1-Dimethylhydrazine.
57249	Strychnidin-10-one. Strychnine, & salts.

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
57476	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-, methylcarbamate (ester), (3aS-cis) (Physostigmine).
57647	Benzoic acid, 2-hydroxy-, compd. with (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1) (Physostigmine salicylate).
57749	Chlordane. Chlordane, alpha & gamma isomers.
	CHLORDANE (TECHNICAL MIXTURE AND METABOLITES).
	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-.
57976	1,2-Benzanthracene, 7,12-dimethyl-. 7,12-Dimethylbenz[a]anthracene.
58899	$\gamma$ -BHC.
	Cyclohexane, 1,2,3,4,5,6-hexachloro (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\alpha$ ,6 $\beta$ )-. Hexachlorocyclohexane (gamma isomer).
	Lindane.
	Lindane (all isomers).
58902	Phenol, 2,3,4,6-tetrachloro-.
59507	2,3,4,6-Tetrachlorophenol. p-Chloro-m-cresol.
	Phenol, 4-chloro-3-methyl-.
60004	4-Chloro-m-cresol.
60117	Ethylenediamine-tetraacetic acid (EDTA).
	Dimethyl aminoazobenzene.
60297	p-Dimethylaminoazobenzene.
	Ethane, 1,1'-oxybis-.
60344	Ethyl ether.
	Hydrazine, methyl-.
60515	Methyl hydrazine.
	Dimethoate.
	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)2-oxyethyl] ester.
60571	Didrirl.
	2,7,3,6-Dimethanonaphth[2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,-2a,3,6,6a,7,7a-octahydro-, (1aalpha,2beta,2aalpha,3beta,6beta,6aalpha,7beta,7aalpha)-.
61825	Amitrole.
	1H-1,2,4-Triazol-3-amine.
62384	Mercury, (acetato-O)phenyl-.
	Phenylmercury acetate.
62442	Acetamide, N-(4-ethoxyphenyl)-.
	Phenacetin.
62500	Ethyl methanesulfonate.
	Methanesulfonic acid, ethyl ester.
62533	Aniline.
	Benzenamine.
62555	Ethanethioamide.
	Thioacetamide.
62566	Thiourea.
62737	Dichlorvos.
62748	Acetic acid, fluoro-, sodium salt.
	Fluoroacetic acid, sodium salt.
62759	Methanamine, N-methyl-N-nitroso-. N-Nitrosodimethylamine.
63252	Carbaryl.
64006	Phenol, 3-(1-methylethyl)-, methyl carbamate (m-Cumanyl methylcarbamate).
64186	Formic acid.
64197	Acetic acid.
65850	Benzoic acid.
66751	Uracil mustard.

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
67561	2,4-(1H,3H)-Pyrimidinedione, 5-[bis(2-chloroethyl) amino]. Methanol.
67641	Methyl alcohol. Acetone.
67663	2-Propanone. Chloroform.
67721	Methane, trichloro-. Ethane, hexachloro-. Hexachloroethane.
70257	Guanidine, N-methyl-N'-nitro-N-nitroso-MNNG.
70304	Hexachlorophene.
71363	Phenol, 2,2'-methylenebis[3,4,6-tri-chloro-n-Butyl alcohol].
71432	1-Butanol.
71556	Benzene.
72208	Ethane, 1,1,1-trichloro-. Methyl chloroform. 1,1,1-Trichloroethane. Endrin. Endrin, & metabolites.
72435	2,7:3,6-Dimethanaphth[2,3-b]oxirene. 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octa-hydro-. (1alpha,2beta,2abeta,3alpha,6alpha,6abeta,7beta,7aalpha)-.
72548	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-methoxy-. Methoxychlor.
72559	Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-. DDD. TDE. 4,4' DDD. DDE 4,4'-DDE.
72571	Trypan blue. 2,7-Naphthalenedisulfonic acid, 3,3'-(3,3'-dimethyl-1,1'-biphenyl)-4,4'-diyl)-bis(azo)]bis(5-amino-4-hydroxy)-tetrasodium salt.
74839	Bromomethane. Methane, bromo-.
74873	Methyl bromide. Chloromethane.
74884	Methane, chloro-. Methyl chloride. Iodomethane
74895	Methane, iodo-.
74908	Methyl iodide.
74931	Monomethylamine. Hydrocyanic acid. Hydrogen cyanide. Methanethiol. Methylmercaptan.
74953	Thiomethanol. Methane, dibromo-.
75003	Methylene bromide. Chloroethane.
75014	Ethyl chloride. Ethene, chloro-.
75047	Vinyl chloride. Monoethylamine.
75058	Acetonitrile.
75070	Acetaldehyde. Ethanal.
75092	Dichloromethane. Methane, dichloro-.
75150	Methylene chloride. Carbon disulfide.

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
75207	Calcium carbide.
75218	Ethylene oxide. Oxirane.
75252	Bromoform.
75274	Methane, tribromo-. Dichlorobromomethane.
75343	Ethane, 1,1-dichloro-. Ethylidene dichloride.
75354	1,1-Dichlorethane. Ethene, 1,1-dichloro-. Vinylidene chloride.
75365	1,1-Dichloethylene. Acetyl chloride.
75445	Carbonic dichloride. Phosgene.
75503	Trimethylamine.
75558	Aziridine, 2-methyl-. 2-Methyl aziridine.
75569	1,2-Propylenimine.
75605	Propylene oxide.
75649	Arsinic acid, dimethyl-.
75694	Cacodylic acid.
75718	tert-Butylamine.
75865	Methane, trichlorofluoro-. Trichloromonofluoromethane.
75876	Dichlorodifluoromethane.
75990	Methane, dichlorodifluoro-. Acetone cyanohydrin.
76017	Propanenitrile, 2-hydroxy-2-methyl-. 2-Methylacetonitrile.
76448	2,2-Dichloropropionic acid.
76448	Ethane, pentachloro-.
76448	Pentachloroethane.
76448	Heptachlor.
77474	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-. Hexachlorocyclopentadiene.
77781	1,3-Cyclopadiene, 1,2,3,4,5,5-hexa-chloro-. Dimethyl sulfate.
78002	Sulfuric acid, dimethyl ester.
78002	Plumbane, tetraethyl-.
78591	Tetraethyl lead.
78795	Isophorone.
78819	Isoprene.
78831	iso-Butylamine.
78875	Isobutyl alcohol.
78875	1-Propanol, 2-methyl-.
78886	Propane, 1,2-dichloro-.
78933	Propylene dichloride.
78933	1,2-Dichloropropane.
78933	2,3-Dichloropropene.
78999	2-Butanone.
79005	MEK.
79005	Methyl ethyl ketone.
79005	1,1-Dichloropropane.
79016	Ethane, 1,1,2-trichloro-.
79016	1,1,2-Trichloroethane.
79061	Ethene, trichloro-.
79061	Trichloroethene.
79061	Trichloroethylene-.
79094	Acrylamide.
79094	2-Propenamide.
79107	Propionic acid.
79107	Acrylic acid.
79196	2-Propenoic acid.
79221	Hydrazinecarbothioamide.
79221	Thiosemicarbazide.
79221	Carbonochloridic acid, methyl ester.

**§ 302.4**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
79312	Methyl chlorocarbonate.
79345	Methyl chloroformate.
79447	iso-Butyric acid.
79469	Ethane, 1,1,2,2-tetrachloro-.
80159	1,1,2,2-Tetrachloroethane.
80626	Carbamic chloride, dimethyl-.
81072	Dimethylcarbamoyl chloride.
81812	Propane, 2-nitro-.
82688	2-Nitropropane.
83329	alpha,alpha-Dimethylbenzylhydroperoxide.
84662	Hydroperoxide, 1-methyl-1-phenylethyl-.
84742	Methyl methacrylate.
85007	2-Propenoic acid, 2-methyl-, methyl ester.
85018	Saccharin and salts.
85449	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide.
85687	Warfarin, & salts, when present at concentrations greater than 0.3%.
86306	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenyl -butyl)-, & salts, when present at concentrations greater than 0.3%.
86500	Benzene, pentachloronitro-.
86737	PCNB.
86884	Pentachloronitrobenzene.
87650	Quintobenzene.
87683	Acenaphthene.
87865	Diethyl phthalate.
88062	1,2-Benzenedicarboxylic acid, diethyl ester.
88222	Di-n-butyl phthalate.
88755	Dibutyl phthalate.
88857	n-Butyl phthalate.
891087	1,2-Benzenedicarboxylic acid, dibutyl ester.
91203	Diquat.
91225	Phenanthrone.
91587	Phthalic anhydride.
91598	1,3-Isobenzofuranidine.
91805	Butyl benzyl phthalate.
91941	N-Nitrosodiphenylamine.
92875	Guthion.
92875	Fluorene.
92875	alpha-Naphthylthiourea.
92875	Thiourea, 1-naphthalenyl-.
92875	Phenol, 2,6-dichloro-.
92875	2,6-Dichlorophenol.
92875	Hexachlorobutadiene.
92875	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-.
92875	Pentachlorophenol.
92875	Phenol, pentachloro-.
92875	Phenol, 2,4,6-trichloro-.
92875	2,4,6-Trichlorophenol.
92875	o-Nitrotoluene.
92875	o-Nitrophenol.
92875	2-Nitrophenol.
92875	Dinoseb.
92875	Phenol, 2-(1-methylpropyl)-4,6-dinitro.
92875	Benzene, 1,3-diisocyanatomethyl-.
92875	Toluene diisocyanate.
92875	2,4-Toluene diisocyanate.
92875	Naphthalene.
92875	Quinoline.
92875	beta-Chloronaphthalene.
92875	Naphthalene, 2-chloro-.
92875	2-Chloronaphthalene.
92875	beta-Naphthylamine.
92875	2-Naphthalenamine.
92875	Methaphylenene.
92875	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-.
92875	[1,1'-Biphenyl]-4,4'diamine,3,3'dichloro-.
92875	3,3'-Dichlorobenzidine.
92875	Benzidine.

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
93721	[1,1'-Biphenyl]-4,4'diamine.
93765	Propionic acid, 2-(2,4,5-trichlorophenoxy)-.
93798	Silvex (2,4,5-TP).
94111	2,4,5-TP acid.
94586	Acetic acid, (2,4,5-trichlorophenoxy).
94597	2,4,5-T.
94757	2,4,5-T acid.
94759	2,4,5-T esters.
94759	2,4-D Ester.
94759	Dihydrosafrole.
94759	1,3-Benzodioxole, 5-propyl-.
94759	Safrole.
94759	1,3-Benzodioxole, 5-(2-propenyl)-.
94759	Acetic acid (2,4-dichlorophenoxy)-, salts & esters.
94759	2,4-D Acid.
94759	2,4-D, salts and esters.
94791	2,4-D Ester.
94804	2,4-D Ester.
95476	o-Benzene, dimethyl.
95487	o-Xylene.
95501	o-Cresol.
95501	o-Cresylic acid.
95501	Benzene, 1,2-dichloro-
95534	o-Dichlorobenzene.
95578	1,2-Dichlorobenzene.
95578	Benzenamine, 2-methyl-
95578	o-Toluidine.
95578	o-Chlorophenol.
95578	Phenol, 2-chloro-.
95578	2-Chlorophenol.
95807	Benzenediamine, ar-methyl-.
95943	Toluenediamine.
95943	2,4-Toluene diamine.
95943	Benzene, 1,2,4,5-tetrachloro-
95954	1,2,4,5-Tetrachlorobenzene.
95954	Phenol, 2,4,5-trichloro-.
95954	2,4,5-Trichlorophenol.
96128	Propane, 1,2-dibromo-3-chloro-
96184	1,2-Dibromo-3-chloropropane.
96457	1,2,3-Trichloropropane.
97632	Ethylenethiourea.
97632	2-Imidazolidinethione.
98011	Ethyl methacrylate.
98011	2-Propenoic acid, 2-methyl-, ethyl ester.
98077	Furfural.
98077	2-Furancarboxaldehyde.
98099	Benzene, (trichloromethyl)-.
98099	Benzotrichloride.
98828	Benzenesulfonic acid chloride.
98828	Benzenesulfonyl chloride.
98862	Benzene, (1-methylethyl)-.
98873	Cumene.
98873	Acetophenone.
98873	Ethanone, 1-phenyl-.
98873	Benzal chloride.
98873	Benzene, dichloromethyl-.
98884	Benzoyl chloride.
98953	Benzene, nitro-.
99081	Nitrobenzene.
99354	m-Nitrotoluene.
99354	Benzene, 1,3,5-trinitro-
99558	1,3,5-Trinitrobenzene.
99558	Benzenamine, 2-methyl-5-nitro-
99650	5-Nitro-o-toluidine.
99990	m-Dinitrobenzene.
100016	p-Nitrotoluene.
100016	Benzenamine, 4-nitro-
100027	p-Nitroaniline.
100027	p-Nitrophenol.

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
100254	Phenol, 4-nitro-.
100414	4-Nitrophenol.
100425	p-Dinitrobenzene.
100447	Ethylbenzene.
100470	Styrene.
100754	Benzene, chloromethyl-.
101144	Benzyl chloride.
101279	Benzonitrile.
101553	N-Nitrosoperidine.
101855	Piperidine, 1-nitroso-.
102855	Benzaminine, 4,4'-methylenebis(2-chloro-).
103855	4,4'-Methylenebis(2-chloroaniline).
104645	Carbamic acid, (3-chlorophenyl)-, 4-chloro-2-butynyl ester (Barban).
105464	Benzene, 1-bromo-4-phenoxy-.
105679	4-Bromophenyl phenyl ether.
106423	Phenylthiourea.
106445	Thiourea, phenyl-.
106467	sec-Butyl acetate.
106478	Phenol, 2,4-dimethyl-.
106490	2,4-Dimethylphenol.
106503	p-Benzene, dimethyl.
106514	p-Xylene.
106898	p-Cresol.
106934	p-Cresyl acid.
107028	Benzene, 1,4-dichloro-.
107051	p-Dichlorobenzene.
107062	1,4-Dichlorobenzene.
107108	Benzenamine, 4-chloro-.
107120	p-Chloroaniline.
107131	Benzenamine, 4-methyl-.
107153	p-Toluidine.
107186	Phenylenediamine (para-isomer).
107200	p-Benzoquinone.
107200	2,5-Cyclohexadiene-1,4-dione.
107200	Quinone.
107200	1-Chloro-2,3-epoxypropane.
107200	Epichlorohydrin.
107200	Oxirane, (chloromethyl)-.
107200	Dibromoethane.
107200	Ethane, 1,2-dibromo-.
107200	Ethylene, dibromide.
107200	Acrolein.
107200	2-Propenal.
107200	Allyl chloride.
107200	Ethane, 1,2-dichloro-.
107200	Ethylene dichloride.
107200	1,2-Dichloroethane.
107200	n-Propylamine.
107200	1-Propanamine.
107200	Ethyl cyanide.
107200	Propanenitrile.
107200	Acrylonitrile.
107200	2-Propenenitrile.
107200	Ethylenediamine.
107200	Allyl alcohol.
107200	2-Propen-1-ol.
107200	Propargyl alcohol.
107200	2-Propyn-1-ol.
107200	Acetaldehyde, chloro-.
107302	Chloroacetaldehyde.
107493	Chloromethyl methyl ether.
107493	Methane, chloromethoxy-.
107493	Diphosphoric acid, tetraethyl ester.
107493	Tetraethyl pyrophosphate.
107926	Butyric acid.
108054	Vinyl acetate.
108101	Vinyl acetate monomer.
108101	Methyl isobutyl ketone.
108101	4-Methyl-2-pentanone.

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
108247	Acetic anhydride.
108316	Maleic anhydride.
108383	2,5-Furandione.
108394	m-Benzene, dimethyl.
108463	m-Cresol.
108601	m-Cresyl acid.
108883	Resorcinol.
108907	1,3-Benzenediol.
108941	Dichloroisopropyl ether.
108952	Propane, 2,2'-oxybis[2-chloro-].
108968	Benzene, methyl-.
108973	Toluene.
108985	Benzene, chloro-.
108991	Chlorobenzene.
109068	Cyclohexanone.
109739	Benzene, hydroxy-.
109773	Phenol.
109897	Pyridine, 2-methyl-.
109999	2-Picoline.
110009	Butylamine.
110167	Malononitrile.
110178	Propanedinitrile.
110190	Diethylamine.
110758	Furan, tetrahydro-.
110805	Tetrahydrofuran.
110827	Furan.
111546	2-Chloroethyl vinyl ether.
111546	Ethanol, 2-ethoxy-.
111546	Ethylene glycol monoethyl ether.
111546	Benzene, hexahydro-.
111546	Cyclohexane.
111546	Pyridine.
111546	Bis (2-chloroethyl) ether.
111546	Dichloroethyl ether.
111546	Ethane, 1,1'-(methylenebis(oxy)]bis(2-chloro-).
111546	Carbamodithioic acid, 1,2-ethanediylbis, salts & esters.
111546	Ethylenebisdithiocarbamic acid, salts & esters.
111546	Bis(2-chloroethoxy) methane.
111546	Dichloromethoxy ethane.
111546	Ethane, 1,1'-(methylenebis(oxy)]bis(2-chloro-).
111546	Azaserine.
111546	L-Serine, diazoacetate (ester).
111546	Endosulfan.
111546	6,9-Methano-2,4,3-benzodioxathiepin,
111546	6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3-oxide.
111546	Dicofol.
111546	Aldicarb.
111546	Propanal, 2-methyl-2-(methylthio)-, 0-[(methylamino)carbonyl]oxime.
111546	Dichlone.
111546	1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl)ester.
111546	Bis(2-ethylhexyl)phthalate.
111546	DEHP.
111546	Diethylhexyl phthalate.
111546	Di-n-octyl phthalate.
111546	1,2-Benzenedicarboxylic acid, dioctyl ester.
111546	Benzene, hexachloro-.
111546	Hexachlorobenzene.

**§ 302.4**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
119380	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester (Isolan).
119904	[1,1'-Biphenyl]-4,4'-diamine,3,3'-dimethoxy-.
119937	3,3'-Dimethoxybenzidine.
120127	[1,1'BiPhenyl]-4,4'-diamine,3,3'-dimethyl-.
120581	3,3'-Dimethylbenzidine.
120821	Anthracene.
120832	Isosafrone.
121142	1,3-Benzodioxole, 5-1-propenyl)-.
121211	1,2,4-Trichlorobenzene.
121299	Phenol, 2,4-dichloro-.
121448	2,4-Dichlorophenol.
121755	Benzene, 1-methyl-2,4-dinitro-.
122098	Pyrethrins.
122394	Pyrethrins.
122429	Malathion.
122667	Benzeneethanamine, alpha,alpha-dimethyl-.
123331	Diphenylamine.
123626	Carbamic acid, phenyl-, 1-methylethyl ester (Propham).
123637	Hydrazine, 1,2-diphenyl-.
123739	1,2-Diphenylhydrazine.
123864	Maleic hydrazide.
123911	3,6-Pyridazinedione, 1,2-dihydro-.
123922	Propionic anhydride.
124049	Paraldehyde.
124414	1,3,5-Trioxane, 2,4,6-trimethyl-.
124481	Crotonaldehyde.
126727	2-Butenal.
126987	2-Butenyl acetate.
126998	1,4-Diethyleneoxide.
127184	1,4-Dioxane.
127822	iso-Amyl acetate.
129000	Adipic acid.
130154	Dimethylamine.
131113	Methanamine, N-methyl-.
131748	Sodium methylate.
131895	Chlorodibromomethane.
133062	Tris(2,3-dibromopropyl) phosphate.
134327	1-Propanol, 2,3-dibromo-, phosphate (3:1).
137268	Methacrylonitrile.
137304	2-Propenenitrile, 2-methyl-.
140885	2-Chloro-1,3-butadiene.
	Ethene, tetrachloro-.
	Perchloroethylene.
	Tetrachloroethene.
	Tetrachloroethylene.
	Zinc phenolsulfonate.
	Pyrene.
	1,4-Naphthalenedione.
	1,4-Naphthoquinone.
	Dimethyl phthalate.
	1,2-Benzenedicarboxylic acid, dimethyl ester.
	Ammonium picrate.
	Phenol, 2,4,6-trinitro-, ammonium salt.
	Phenol, 2-cyclohexyl-4,6-dinitro-.
	2-Cyclohexyl-4,6-dinitrophenol.
	Captan.
	alpha-Naphthylamine.
	1-Naphthalenamine.
	Thioperoxydicarbonic diamide ((H <sub>2</sub> N) <sub>2</sub> C(S)JS <sub>2</sub> ) tetramethyl-.
	Thiram.
	Zinc, bis(dimethylcarbamodithioato-S,S')-, (Ziram).
	Ethyl acrylate.

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
141786	2-Propenoic acid, ethyl ester.
	Acetic acid, ethyl ester.
	Ethyl acetate.
142289	1,3-Dichloropropane.
142712	Cupric acetate.
142847	Dipropylamine.
	1-Propanamine, N-propyl-.
143339	Sodium cyanide.
	Sodium cyanide Na(CN).
143500	Kepone.
	1,3,4-Metheno-2H-cyclobutall[cd]pentalen-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachloroctahydro-.
145733	Endothall.
	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid.
148823	L-Phenylalanine, 4-[bis(2-chloroethyl) aminol].
	Melphalan.
151508	Potassium cyanide.
	Potassium cyanide K(CN).
151564	Aziridine.
	Ethyleneimine.
152169	Diphosphoramide, octamethyl-.
	Octamethylpyrophosphoramide.
156605	Ethene, 1,2-dichloro- (E).
	1,2-Dichloroethylene.
189559	Benzof[st]pentaphene.
	Dibenzo[a,j]pyrene.
191242	Benzog[ghi]perylene.
193395	Indeno[1,2,3-cd]pyrene.
	1,10-(1,2-Phenylene)pyrene.
205992	Benzo[b]fluoranthene.
206440	Benzo[j,k]fluorene.
	Fluoranthene.
207089	Benzo(k)fluoranthene.
208968	Acenaphthylene.
218019	Chrysene.
	1,2-Benzphenanthrene.
225514	Benz[c]acridine.
297972	O,O-Diethyl O-pyrazinyl phosphoro-thioate.
	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester.
298000	Methyl parathion.
	Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester.
298022	Phorate.
	Phosphorodithioic acid, O,O-diethyl S-(ethylthio), methyl ester.
298044	Disulfoton.
	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl]ester.
300765	Naled.
301042	Acetic acid, lead(2+) salt.
	Lead acetate.
302012	Hydrazine.
303344	Lasiocarpine.
	2-Butenoic acid, 2-methyl-, 7[[2,3-dihydroxy-2-(1-methoxyethyl)-3-oxobutoyl]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z),7(2S*,3R*),7aalpha]]-.
305033	Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-.
	Chlorambucil.
309002	Aldrin.
	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-(1alpha,4alpha,4abeta,5alpha,8alpha,8abeta)-.
311455	Diethyl p-nitrophenyl phosphate.

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
315184	Phosphoric acid, diethyl 4-nitrophenyl ester.
319846	Mexacarbate.
319857	alpha—BHC.
319868	beta—BHC.
329715	delta—BHC.
330541	2,5-Dinitrophenol.
333415	Diuron.
353504	Diazinon.
357573	Carbon oxyfluoride.
460195	Carbonic difluoride.
465736	Brucine.
492808	Strychnidin-10-one, 2,3-dimethoxy-.
494031	Cyanogen.
496720	Ethanedinitrile.
504245	Isodrin.
504609	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8a-hexahydro (1alpha, 4alpha,4beta,5beta,8beta,8abeta)-.
506616	Auramine.
506649	Benzenamine, 4,4'-carbonimidoylbis (N,N-dimethyl(N,N-D,methyl)-).
506683	Chlornaphazine.
506774	Naphthalenamine, N,N'-bis(2-chloroethyl)-.
506876	Benzenediamine, ar-methyl.
506967	Toluenediamine.
509148	2,4-Toluene diamine.
510156	4-Aminopyridine.
513495	4-Pyridinamine.
528290	1-Methylbutadiene.
534521	1,3-Pentadiene.
540738	Argentate(1-), bis(cyano-C)- ,potassium.
540885	Potassium silver cyanide.
541093	Silver cyanide.
541537	Silver cyanide Ag(CN).
542621	Cyanogen bromide.
542756	Cyanogen bromide (CN)Br.
542767	Cyanogen chloride.
542881	Cyanogen chloride (CN)Cl.
543908	Ammonium carbonate.
544183	Acetyl bromide.
544923	Methane, tetrabromo-.
554847	Tetranitromethane.
557197	Chlorobenzilate.
557211	sec-Butylamine.
557346	4-Chlorophenyl)-alpha-hydroxy-, ethyl ester.
557415	4-Chlorophenyl)-alpha-hydroxy-, ethyl ester.
563122	(4-Chlorophenyl)-alpha-hydroxy-, ethyl ester.
563688	Chlorobenzilate.
573568	4-Chlorophenyl)-alpha-hydroxy-, ethyl ester.
584849	4-Chlorophenyl)-alpha-hydroxy-, ethyl ester.
591082	2,6-Dinitrophenol.
592018	Benzene, 1,3-diisocyanatomethyl-
592041	Toluene diisocyanate.
592858	2,4-Toluene diisocyanate.
592870	Acetamide, N-(aminothioxomethyl)-.
594423	1-Acetyl-2-thiourea.
598312	Calcium cyanide.
606202	Calcium cyanide Ca(CN)2.
608731	Mercuric cyanide.
608935	Mercuric thiocyanate.
609198	Lead thiocyanate.
610399	Methanesulfenyl chloride, trichloro-
615532	Trichloromethanesulfenyl chloride.
616239	Bromoacetone.
621647	2-Propanone, 1-bromo-
624839	2,6-Dinitrotoluene.
625161	HEXACHLOROCYCLOHEXANE (all isomers).
626380	Benzene, pentachloro-
628637	Pentachlorobenzene.
630104	3,4,5-Trichlorophenol.
631618	3,4-Dinitrotoluene.
636215	Carbamic acid, methylnitroso-, ethyl ester.
640197	N-Nitroso-N-methylurethane.
644644	n-,2,3 Dichloropropanol.
644935	Di-n-propylnitrosamine.
662422	1-Propanamine, N-nitroso-N-propyl-
662630	Methane, isocyanato-
662864	Methyl isocyanate.
663026	tert-Amyl acetate.
663168	sec-Amyl acetate.
6636215	Amyl acetate.
6640197	Fulminic acid, mercury(2+)salt.
6644644	Mercury fulminate.
6660104	Selenourea.
6663026	Ethane, 1,1,1,2-tetrachloro-
6663168	1,1,1,2-Tetrachloroethane.
66636215	Ammonium acetate.
66640197	Benzenamine, 2-methyl-, hydrochloride.
66644644	o-Tolididine hydrochloride.
66644935	Acetamide, 2-fluoro-
66644935	Fluorooacetamide.
66644935	Carbamic acid, dimethyl-,1-
66644935	[(dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester (Dimetilan).
6664935	N-Nitroso-N-methylurea.
6664935	Urea, N-methyl-N-nitroso.
6664935	Arsine, diethyl-.
6664935	Diethylarsine.
6664935	Arsonous dichloride, phenyl-
6664935	Dichlorophenylarsine.
6664935	Hexaethyl tetraphosphate.
6664935	Tetraphosphoric acid, hexaethyl ester.
6664935	N-Nitroso-N-ethylurea.
6664935	Urea, N-ethyl-N-nitroso-
6664410	2-Butene, 1,4-dichloro-
6665344	Glycidylaldehyde.

**§ 302.4**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
815827	Oxiranecarboxyaldehyde.
823405	Cupric tartrate.
	Benzenediamine, ar-methyl-
	Toluenediamine.
924163	2,4-Toluene diamine.
	N-Nitrosodi-n-butylamine.
930552	1-Butanamine, N-butyl-N-nitroso-
	N-Nitrosopyrrolidine.
933755	Pyrrolidine, 1-nitroso-
933788	2,3,6-Trichlorophenol.
959988	2,3,5-Trichlorophenol.
1024573	alpha-Endosulfan.
1031078	Heptachlor epoxide.
1066304	Endosulfan sulfate.
1066337	Chromic acetate.
1072351	Ammonium bicarbonate.
1111780	Lead stearate.
1116547	Ammonium carbamate.
	Ethanol, 2,2'-(nitrosoimino)bis-
	N-Nitrosodiethanolamine.
1120714	1,2-Oxathiolane, 2,2-dioxide.
1129415	1,3-Propane sulfone.
	Carbamic acid, methyl-, 3-methylphenyl ester (Metolcarb).
1185575	Ferric ammonium citrate.
1194656	Dichlobenil.
1300716	Xylenol.
1303282	Arsenic oxide As2O5.
1303328	Arsenic pentoxide.
1303339	Arsenic disulfide.
1309644	Arsenic trisulfide.
1310583	Antimony trioxide.
1310732	Potassium hydroxide.
1314325	Sodium hydroxide.
	Thallic oxide.
1314621	Thallium oxide Tl2O3.
	Vanadium oxide V2O5.
1314803	Vanadium pentoxide.
	Phosphorus pentasulfide.
	Phosphorus sulfide.
	Sulfur phosphide.
1314847	Zinc phosphide.
	Zinc phosphide Zn3P2, when present at concentrations greater than 10%.
1314870	Lead sulfide.
1319728	2,4,5-T amines.
1319773	Cresol(s).
	Cresylic acid.
	Phenol, methyl-.
1320189	2,4-D Ester.
1321126	Nitrotoluene.
1327522	Arsenic acid.
	Arsenic acid H3AsO4.
1327533	Arsenic oxide As2O3.
	Arsenic trioxide.
1330207	Benzene, dimethyl.
	Xylene (mixed).
1332076	Zinc borate.
1332214	Asbestos.
1333831	Sodium bifluoride.
1335326	Lead subacetate.
	Lead, bis(acetato-O)tetrahydroxytri-
1336216	Ammonium hydroxide.
1336363	Aroclors.
	PCBs.
1338234	POLYCHLORINATED BIPHENYLS.
	Methyl ethyl ketone peroxide.
1338245	2-Butanone peroxide.
	Naphthenic acid.
1341497	Ammonium bifluoride.

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
1464535	1,2,3,4-Diepoxybutane.
	2,2'-Bioxirane.
1563388	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-(Carbofuran phenol).
1563662	Carbofuran.
1615801	Hydrazine, 1,2-diethyl-.
	N,N'-Diethylhydrazine.
1646884	Propanal, 2-methyl-2-(methylsulfonyl)-, O-[(methylamino)carbonyl] oxime (Aldicarb sulfone).
1746016	TCDD.
	2,3,7,8-Tetrachlorodibenzo-p-dioxin.
1762954	Ammonium thiocyanate.
1863634	Ammonium benzoate.
1888717	Hexachloropropene.
	1-Propene, 1,1,2,3,3-hexachloro-.
1918009	Dicamba.
1928387	2,4-D Ester.
1928478	2,4,5-T esters.
1928616	2,4-D Ester.
1929733	2,4-D Ester.
2008460	2,4,5-T amines.
2032657	Mercaptodimethyl.
2303164	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester.
	Diallate.
2303175	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3,3-trichloro-2-propenyl) ester (Triallate).
2312358	Propargite.
2545597	2,4,5-T esters.
2631370	Phenol, 3-methyl-5-(1-methylethyl)-, methyl carbamate (Promecarb).
2763964	Muscimol.
	3(2H)-Isoxazolone, 5-(aminomethyl)-.
	5-(Aminomethyl)-3-isoxazolol.
2764729	Diquat.
2921882	Chlorpyrifos.
2944674	Ferric ammonium oxalate.
2971382	2,4-D Ester.
3012655	Ammonium citrate, dibasic.
3164292	Ammonium tartrate.
3165933	Benzenamine, 4-chloro-2-methyl-, hydrochloride.
	4-Chloro-o-toluidine, hydrochloride.
3251238	Cupric nitrate.
3288582	O,O-Diethyl S-methyl dithiophosphate.
	Phosphorodithioic acid, O,O-diethyl S-methyl ester.
3486359	Zinc carbonate.
3689245	Tetraethylthiopyrophosphate.
	Thiodiphosphoric acid, tetraethyl ester.
3813147	2,4,5-T amines.
4170303	Crotonaldehyde.
	2-Butenal.
4549400	N-Nitrosomethylvinylamine.
	Vinylamine, N-methyl-N-nitroso-.
5344821	Thiourea, (2-chlorophenyl)-.
	1-(o-Chlorophenyl)thiourea.
5893663	Cupric oxalate.
5952261	Ethanol, 2,2'-oxybis-, dicarbamate (Diethylene glycol, dicarbamate).
5972736	Ammonium oxalate.
6009707	Ammonium oxalate.
6369966	2,4,5-T amines.
6369977	2,4,5-T amines.
6533739	Carbonic acid, dithallium(1+) salt.
	Thallium(I) carbonate.
7005723	4-Chlorophenyl phenyl ether.
7421934	Endrin aldehyde.
7428480	Lead stearate.

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
7439921	Lead.
7439976	Mercury.
7440020	Nickel.
7440224	Silver.
7440235	Sodium.
7440280	Thallium.
7440360	Antimony.
7440382	Arsenic.
7440417	Beryllium powder.
7440439	Cadmium.
7440473	Chromium.
7440508	Copper.
7440666	Zinc.
7446084	Selenium dioxide.
7446142	Selenium oxide.
7446186	Lead sulfate.
7446277	Sulfuric acid, dithallium(1+) salt.
7447394	Thallium(I) sulfate.
7488564	Lead phosphate.
7558794	Phosphoric acid, lead(2+) salt (2:3).
7601549	Cupric chloride.
7631892	Selenium sulfide.
7631905	Selenium sulfide SeS <sub>2</sub> .
7632000	Sodium phosphosphate, dibasic.
7645252	Sodium phosphosphate, tribasic.
7646857	Zinc bromide.
7647010	Hydrochloric acid.
7647189	Hydrogen chloride.
7664382	Antimony pentachloride.
7664393	Phosphoric acid.
7664417	Hydrofluoric acid.
7664939	Hydrogen fluoride.
7681494	Ammonia.
7681529	Sulfuric acid.
7681529	Sodium fluoride.
7681529	Sodium hypochlorite.
769372	Nitric acid.
7699458	Zinc bromide.
7705080	Ferric chloride.
7718549	Nickel chloride.
7719122	Phosphorus trichloride.
7720787	Ferrous sulfate.
7722647	Potassium permanganate.
7723140	Phosphorus.
7733020	Zinc sulfate.
7738945	Chromic acid.
7758294	Sodium phosphate, tribasic.
7758943	Ferrous chloride.
7758954	Lead chloride.
7758987	Cupric sulfate.
7761888	Silver nitrate.
7773060	Ammonium sulfamate.
7775113	Sodium chromate.
7778394	Arsenic acid.
7778441	Arsenic acid H <sub>3</sub> AsO <sub>4</sub> .
7778509	Calcium arsenate.
7778543	Potassium bichromate.
7779864	Calcium hypochlorite.
7779864	Zinc hydrosulfite.
7779886	Zinc nitrate.
7782414	Fluorine.
7782492	Selenium.
7782505	Chlorine.
7782630	Ferrous sulfate.
7782823	Sodium selenite.
7782867	Mercurous nitrate.

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
7783008	Selenious acid.
7783064	Hydrogen sulfide.
7783359	Hydrogen sulfide H <sub>2</sub> S.
7783462	Mercuric sulfate.
7783495	Lead fluoride.
7783508	Zinc fluoride.
7783564	Ferric fluoride.
7784409	Antimony trifluoride.
7784410	Lead arsenate.
7784410	Potassium arsenate.
7784465	Sodium arsenite.
7785844	Sodium phosphate, tribasic.
7786347	Mevinphos.
7786814	Nickel sulfate.
7787475	Beryllium chloride.
7787497	Beryllium fluoride.
7787555	Beryllium nitrate.
7788989	Ammonium chromate.
7789006	Potassium chromate.
7789062	Strontium chromate.
7789095	Ammonium bichromate.
7789426	Cadmium bromide.
7789437	Cobaltous bromide.
7789619	Antimony tribromide.
7790945	Chlorosulfonic acid.
7791120	Thallium chloride TlCl.
7803512	Thallium(I) chloride.
7803556	Hydrogen phosphide.
8001352	Phosphine.
8001589	Ammonium vanadate.
8003198	Vanadic acid, ammonium salt.
8003347	Camphepane, octachloro-.
8003347	Chlorinated camphepane.
8003347	Toxaphene.
8003347	Creosote.
8003347	Dichloropropane—Dichloropropene (mixture).
8003347	Pyrethrins.
8014957	Sulfuric acid.
10022705	Sodium hypochlorite.
10025873	Phosphorus oxychloride.
10025919	Antimony trichloride.
10026116	Zirconium tetrachloride.
10028225	Ferric sulfate.
10031591	Sulfuric acid, dithallium(1+) salt.
10039324	Thallium(I) sulfate.
10043013	Sodium phosphate, dibasic.
10045893	Aluminum sulfate.
10045940	Ferrous ammonium sulfate.
10049055	Mercuric nitrate.
10099748	Chromous chloride.
10101538	Lead nitrate.
10101630	Chromic sulfate.
10101890	Lead iodide.
10102064	Sodium phosphate, tribasic.
10102188	Sodium uranyl nitrate.
10102439	Sodium selenite.
10102440	Nitric oxide.
10102440	Nitrogen dioxide.
10102451	Nitrogen oxide NO <sub>2</sub> .
10102451	Nitric acid, thallium(1+) salt.
10102451	Thallium(I) nitrate.
10102484	Lead arsenate.
10108642	Cadmium chloride.
10124502	Potassium arsenite.
10124568	Sodium phosphate, tribasic.
10140655	Sodium phosphate, dibasic.
10192300	Ammonium bisulfite.
10196040	Ammonium sulfite.

**§ 302.4**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
10361894	Sodium phosphate, tribasic.
10380297	Cupric sulfate, ammoniated.
10415755	Mercurous nitrate.
10421484	Ferric nitrate.
10544726	Nitrogen dioxide.
10588019	Nitrogen oxide NO <sub>2</sub> .
10605217	Sodium bichromate.
11096825	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester (Carbendazim).
11097691	Aroclor 1260.
	Aroclors.
	PCBs.
	POLYCHLORINATED BIPHENYLS.
11104282	Aroclor 1254.
	Aroclors.
	PCBs.
	POLYCHLORINATED BIPHENYLS.
11115745	Chromic acid.
11141165	Aroclor 1232.
	Aroclors.
	PCBs.
	POLYCHLORINATED BIPHENYLS.
12002038	Cupric acetoarsenite.
12039520	Selenious acid, ditellium(1+) salt.
	Thallium selenite.
12054487	Nickel hydroxide.
12125018	Ammonium fluoride.
12125029	Ammonium chloride.
12135761	Ammonium sulfide.
12672296	Aroclor 1248.
	Aroclors.
	PCBs.
	POLYCHLORINATED BIPHENYLS.
12674112	Aroclor 1016.
	Aroclors.
	PCBs.
	POLYCHLORINATED BIPHENYLS.
12771083	Sulfur monochloride.
13463393	Nickel carbonyl.
	Nickel carbonyl Ni(CO) <sub>4</sub> , (T-4)-.
13560991	2,4,5-T salts.
13597994	Beryllium nitrate.
13746899	Zirconium nitrate.
13765190	Calcium chromate.
	Chromic acid H <sub>2</sub> CrO <sub>4</sub> , calcium salt.
13814965	Lead fluoborate.
13826830	Ammonium fluoborate.
13952846	sec-Butylamine.
14017415	Cobaltous sulfamate.
14216752	Nickel nitrate.
14258492	Ammonium oxalate.
14307358	Lithium chromate.
14307438	Ammonium tartrate.
14639975	Zinc ammonium chloride.
14639986	Zinc ammonium chloride.
14644612	Zirconium sulfate.
15339363	Manganese, bis(dimethylcarbamodithioato-S,S)- (Manganese dimethylidithiocarbamate).
15699180	Nickel ammonium sulfate.
15739807	Lead sulfate.
15950660	2,3,4-Trichlorophenol.
16721805	Sodium hydrosulfide.
16752775	Ethanimidothioic acid, N-[(methylamino)carbonyl] oxy]-, methyl ester.
	Methomyl.

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX A TO § 302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued**

CASRN	Hazardous substance
16871719	Zinc silicofluoride.
16919190	Ammonium silicofluoride.
16923958	Zirconium potassium fluoride.
17702577	Methanimidamide, N,N-dimethyl-N'-(2-methyl-4-[(methylamino)carbonyl]oxy)phenyl]- (Formparanate).
17804352	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl, methyl ester (Benomyl).
18883664	D-Glucose, 2-deoxy-2-[(methylnitroamino)carbonyl]amino]-.
	Glucopyranose, 2-deoxy-2-(3-methyl-3-nitrosoureido)-.
	Streptozotocin.
20816120	Osmium oxide OsO <sub>4</sub> (T-4)-.
	Osmium tetroxide.
20830813	Daunomycin.
	5,12-Naphthacenedione, 8-acetyl-10-[3-amino-2,3,6-trideoxy-alpha-L-lyxo-hexopyranosyl]oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-.
20859738	Aluminum phosphide.
22781233	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbamate (Bendiocarb).
22961826	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, (Bendiocarb phenol).
23135220	Ethanimidothioc acid, 2-(dimethylamino)-N-[(methylamino)carbonyl]oxy]-2-oxo-, methyl ester (Oxamyl).
23422539	Methanimidamide, N,N-dimethyl-N'-(3-[(methylamino)carbonyl]oxy)phenyl]-, monohydrochloride (Formetanate hydrochloride).
23564058	Carbamic acid, [1,2-phenylenebis(iminocarbonothioly)]bis-, di-methyl ester (Thiophanate-methyl).
23950585	Benzamide, 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-.
	Pronamide.
25154545	Dinitrobenzene (mixed).
25154556	Nitrophenol (mixed).
25155300	Sodium dodecylbenzenesulfonate.
25167822	Trichlorophenol.
25168154	2,4,5-T esters.
25168267	2,4-D Ester.
25321146	Dinitrotoluene.
25321226	Dichlorobenzene.
25376458	Benzenediamine, ar-methyl-.
	Toluenediamine.
	2,4-Toluene diamine.
25550587	Dinitrophenol.
26264062	Calcium dodecylbenzenesulfonate.
26419738	1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-, O-[(methylamino)carbonyl]oxime (Irpate).
26471625	Benzene, 1,3-diisocyanatomethyl-.
	Toluene diisocyanate.
	2,4-Toluene diisocyanate.
26628228	Sodium azide.
26638197	Dichloropropane.
26952238	Dichloropropene.
27176870	Dodecylbenzenesulfonic acid.
27323417	Triethanolamine dodecylbenzene sulfonate.
27774136	Vanadyl sulfate.
28300745	Antimony potassium tartrate.
30525894	Paraformaldehyde.
30558431	Ethanimidothioic acid, 2-(dimethylamino)-N-hydroxy-2-oxo-, methyl ester (A2213).
32534955	2,4,5-TP esters.
33213659	beta - Endosulfan.
36478769	Uranyl nitrate.

## Environmental Protection Agency

### APPENDIX A TO §302.4—SEQUENTIAL CAS REGISTRY NUMBER LIST OF CERCLA HAZARDOUS SUBSTANCES—Continued

CASRN	Hazardous substance
37211055 39196184	Nickel chloride. Thiofanox
42504461 52628258 52652592 52740166 52888809	2-Butanone, 3,3-dimethyl-1-(methylthio)-, O[(methylamino)carbonyl] oxime. Isopropanolamine dodecylbenzenesulfonate. Zinc ammonium chloride. Lead stearate. Calcium arsenite.
53467111 53469219	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester (Prosulfocarb). 2,4-D Ester. Aroclor 1242 Aroclors. PCBs.
55285148	POLYCHLORINATED BIPHENYLS. Carbamic acid, [(dibutylamino)thio]methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (Carbosulfan).
55488874 56189094 59669260	Ferric ammonium oxalate. Lead stearate. Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester (Thiodicarb).
61792072	2,4-T esters.

### APPENDIX B TO §302.4—RADIONUCLIDES

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Radionuclides <sup>®</sup>	.....	1& (3.7E 10)
Actinium-224	89	100 (3.7E 12)
Actinium-225	89	1 (3.7E 10)
Actinium-226	89	10 (3.7E 11)
Actinium-227	89	0.001 (3.7E 7)
Actinium-228	89	10 (3.7E 11)
Aluminum-26	13	10 (3.7E 11)
Americium-237	95	1000 (3.7E 13)
Americium-238	95	100 (3.7E 12)
Americium-239	95	100 (3.7E 12)
Americium-240	95	10 (3.7E 11)
Americium-241	95	0.01 (3.7E 8)
Americium-242m	95	0.01 (3.7E 8)
Americium-242	95	100 (3.7E 12)
Americium-243	95	0.01 (3.7E 8)
Americium-244m	95	1000 (3.7E 13)
Americium-244	95	10 (3.7E 11)
Americium-245	95	1000 (3.7E 13)
Americium-246m	95	1000 (3.7E 13)
Americium-246	95	1000 (3.7E 13)
Antimony-115	51	1000 (3.7E 13)
Antimony-116m	51	100 (3.7E 12)
Antimony-116	51	1000 (3.7E 13)
Antimony-117	51	1000 (3.7E 13)
Antimony-118m	51	10 (3.7E 11)
Antimony-119	51	1000 (3.7E 13)
Antimony-120 (16 min)	51	1000 (3.7E 13)
Antimony-120 (5.76 day)	51	10 (3.7E 11)
Antimony-122	51	10 (3.7E 11)
Antimony-124m	51	1000 (3.7E 13)
Antimony-124	51	10 (3.7E 11)
Antimony-125	51	10 (3.7E 11)
Antimony-126m	51	1000 (3.7E 13)
Antimony-126	51	10 (3.7E 11)
Antimony-128	51	10 (3.7E 11)
Antimony-127	51	10 (3.7E 11)
Antimony-128 (10.4 min)	51	1000 (3.7E 13)
Antimony-128 (9.01 hr)	51	10 (3.7E 11)
Antimony-129	51	100 (3.7E 12)

### § 302.4

### APPENDIX B TO §302.4—RADIONUCLIDES—Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Antimony-130	51	100 (3.7E 12)
Antimony-131	51	1000 (3.7E 13)
Argon-39	18	1000 (3.7E 13)
Argon-41	18	10 (3.7E 11)
Arsenic-69	33	1000 (3.7E 13)
Arsenic-70	33	100 (3.7E 12)
Arsenic-71	33	100 (3.7E 12)
Arsenic-72	33	10 (3.7E 11)
Arsenic-73	33	100 (3.7E 12)
Arsenic-74	33	10 (3.7E 11)
Arsenic-76	33	100 (3.7E 12)
Arsenic-77	33	1000 (3.7E 13)
Arsenic-78	33	100 (3.7E 12)
Astatine-207	85	100 (3.7E 12)
Astatine-211	85	100 (3.7E 12)
Barium-126	56	1000 (3.7E 13)
Barium-128	56	10 (3.7E 11)
Barium-131m	56	1000 (3.7E 13)
Barium-131	56	10 (3.7E 11)
Barium-133m	56	100 (3.7E 12)
Barium-133	56	10 (3.7E 11)
Barium-135m	56	1000 (3.7E 13)
Barium-139	56	1000 (3.7E 13)
Barium-140	56	10 (3.7E 11)
Barium-141	56	1000 (3.7E 13)
Barium-142	56	1000 (3.7E 13)
Berkelium-245	97	100 (3.7E 12)
Berkelium-246	97	10 (3.7E 11)
Berkelium-247	97	0.01 (3.7E 8)
Berkelium-249	97	1 (3.7E 10)
Berkelium-250	97	100 (3.7E 12)
Beryllium-7	4	100 (3.7E 12)
Beryllium-10	4	1 (3.7E 10)
Bismuth-200	83	100 (3.7E 12)
Bismuth-201	83	100 (3.7E 12)
Bismuth-202	83	1000 (3.7E 13)
Bismuth-203	83	10 (3.7E 11)
Bismuth-205	83	10 (3.7E 11)
Bismuth-206	83	10 (3.7E 11)
Bismuth-207	83	10 (3.7E 11)
Bismuth-210m	83	0.1 (3.7E 9)
Bismuth-210	83	10 (3.7E 11)
Bismuth-212	83	100 (3.7E 12)
Bismuth-213	83	100 (3.7E 12)
Bismuth-214	83	100 (3.7E 12)
Bromine-74m	35	100 (3.7E 12)
Bromine-74	35	100 (3.7E 12)
Bromine-75	35	100 (3.7E 12)
Bromine-76	35	10 (3.7E 11)
Bromine-77	35	100 (3.7E 12)
Bromine-80m	35	1000 (3.7E 13)
Bromine-80	35	1000 (3.7E 13)
Bromine-82	35	10 (3.7E 11)
Bromine-83	35	1000 (3.7E 13)
Bromine-84	35	100 (3.7E 12)
Cadmium-104	48	1000 (3.7E 13)
Cadmium-107	48	1000 (3.7E 13)
Cadmium-109	48	1 (3.7E 10)
Cadmium-113m	48	0.1 (3.7E 9)
Cadmium-113	48	0.1 (3.7E 9)
Cadmium-115m	48	10 (3.7E 11)
Cadmium-115	48	100 (3.7E 12)
Cadmium-117m	48	10 (3.7E 11)
Cadmium-117	48	100 (3.7E 12)
Calcium-41	20	10 (3.7E 11)
Calcium-45	20	10 (3.7E 11)
Calcium-47	20	10 (3.7E 11)
Californium-244	98	1000 (3.7E 13)
Californium-246	98	10 (3.7E 11)
Californium-248	98	0.1 (3.7E 9)

**§ 302.4**

**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Californium-249 .....	98	0.01 (3.7E 8)
Californium-250 .....	98	0.01 (3.7E 8)
Californium-251 .....	98	0.01 (3.7E 8)
Californium-252 .....	98	0.1 (3.7E 9)
Californium-253 .....	98	10 (3.7E 11)
Californium-254 .....	98	0.1 (3.7E 9)
Carbon-11 .....	6	1000 (3.7E 13)
Carbon-14 .....	6	10 (3.7E 11)
Cerium-134 .....	58	10 (3.7E 11)
Cerium-135 .....	58	10 (3.7E 11)
Cerium-137m .....	58	100 (3.7E 12)
Cerium-137 .....	58	1000 (3.7E 13)
Cerium-139 .....	58	100 (3.7E 12)
Cerium-141 .....	58	10 (3.7E 11)
Cerium-143 .....	58	100 (3.7E 12)
Cerium-144 .....	58	1 (3.7E 10)
Cesium-125 .....	55	1000 (3.7E 13)
Cesium-127 .....	55	100 (3.7E 12)
Cesium-129 .....	55	100 (3.7E 12)
Cesium-130 .....	55	1000 (3.7E 13)
Cesium-131 .....	55	1000 (3.7E 13)
Cesium-132 .....	55	10 (3.7E 11)
Cesium-134m .....	55	1000 (3.7E 13)
Cesium-134 .....	55	1 (3.7E 10)
Cesium-135m .....	55	100 (3.7E 12)
Cesium-135 .....	55	10 (3.7E 11)
Cesium-136 .....	55	10 (3.7E 11)
Cesium-137 .....	55	1 (3.7E 10)
Cesium-138 .....	55	100 (3.7E 12)
Chlorine-36 .....	17	10 (3.7E 11)
Chlorine-38 .....	17	100 (3.7E 12)
Chlorine-39 .....	17	100 (3.7E 12)
Chromium-48 .....	24	100 (3.7E 12)
Chromium-49 .....	24	1000 (3.7E 13)
Chromium-51 .....	24	1000 (3.7E 13)
Cobalt-55 .....	27	10 (3.7E 11)
Cobalt-56 .....	27	10 (3.7E 11)
Cobalt-57 .....	27	100 (3.7E 12)
Cobalt-58m .....	27	1000 (3.7E 13)
Cobalt-58 .....	27	10 (3.7E 11)
Cobalt-60m .....	27	1000 (3.7E 13)
Cobalt-60 .....	27	10 (3.7E 11)
Cobalt-61 .....	27	1000 (3.7E 13)
Cobalt-62m .....	27	1000 (3.7E 13)
Copper-60 .....	29	100 (3.7E 12)
Copper-61 .....	29	100 (3.7E 12)
Copper-64 .....	29	1000 (3.7E 13)
Copper-67 .....	29	100 (3.7E 12)
Curium-238 .....	96	1000 (3.7E 13)
Curium-240 .....	96	1 (3.7E 10)
Curium-241 .....	96	10 (3.7E 11)
Curium-242 .....	96	1 (3.7E 10)
Curium-243 .....	96	0.01 (3.7E 8)
Curium-244 .....	96	0.01 (3.7E 8)
Curium-245 .....	96	0.01 (3.7E 8)
Curium-246 .....	96	0.01 (3.7E 8)
Curium-247 .....	96	0.01 (3.7E 8)
Curium-248 .....	96	0.001 (3.7E 7)
Curium-249 .....	96	1000 (3.7E 13)
Dysprosium-155 .....	66	100 (3.7E 12)
Dysprosium-157 .....	66	100 (3.7E 12)
Dysprosium-159 .....	66	100 (3.7E 12)
Dysprosium-165 .....	66	1000 (3.7E 13)
Dysprosium-166 .....	66	10 (3.7E 11)
Einsteinium-250 .....	99	10 (3.7E 11)
Einsteinium-251 .....	99	1000 (3.7E 13)
Einsteinium-253 .....	99	10 (3.7E 11)
Einsteinium-254m .....	99	1 (3.7E 10)
Einsteinium-254 .....	99	0.1 (3.7E 9)
Erbium-161 .....	68	100 (3.7E 12)

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Erbium-165 .....	68	1000 (3.7E 13)
Erbium-169 .....	68	100 (3.7E 12)
Erbium-171 .....	68	100 (3.7E 12)
Erbium-172 .....	68	10 (3.7E 11)
Europium-145 .....	63	10 (3.7E 11)
Europium-146 .....	63	10 (3.7E 11)
Europium-147 .....	63	10 (3.7E 11)
Europium-148 .....	63	10 (3.7E 11)
Europium-149 .....	63	100 (3.7E 12)
Europium-150 (12.6 hr) .....	63	1000 (3.7E 13)
Europium-150 (34.2 yr) .....	63	10 (3.7E 11)
Europium-152m .....	63	100 (3.7E 12)
Europium-152 .....	63	10 (3.7E 11)
Europium-154 .....	63	10 (3.7E 11)
Europium-155 .....	63	10 (3.7E 11)
Europium-156 .....	63	10 (3.7E 11)
Europium-157 .....	63	10 (3.7E 11)
Europium-158 .....	63	1000 (3.7E 13)
Fermium-252 .....	100	10 (3.7E 11)
Fermium-253 .....	100	10 (3.7E 11)
Fermium-254 .....	100	100 (3.7E 12)
Fermium-255 .....	100	100 (3.7E 12)
Fermium-257 .....	100	1 (3.7E 10)
Fluorine-18 .....	9	1000 (3.7E 13)
Francium-222 .....	87	100 (3.7E 12)
Francium-223 .....	87	100 (3.7E 12)
Gadolinium-145 .....	64	100 (3.7E 12)
Gadolinium-146 .....	64	10 (3.7E 11)
Gadolinium-147 .....	64	10 (3.7E 11)
Gadolinium-148 .....	64	0.001 (3.7E 7)
Gadolinium-149 .....	64	100 (3.7E 12)
Gadolinium-151 .....	64	100 (3.7E 12)
Gadolinium-152 .....	64	0.001 (3.7E 7)
Gadolinium-153 .....	64	10 (3.7E 11)
Gadolinium-159 .....	64	1000 (3.7E 13)
Gallium-65 .....	31	1000 (3.7E 13)
Gallium-66 .....	31	10 (3.7E 11)
Gallium-67 .....	31	100 (3.7E 12)
Gallium-68 .....	31	1000 (3.7E 13)
Gallium-70 .....	31	1000 (3.7E 13)
Gallium-72 .....	31	10 (3.7E 11)
Gallium-73 .....	31	100 (3.7E 12)
Germanium-66 .....	32	100 (3.7E 12)
Germanium-67 .....	32	1000 (3.7E 13)
Germanium-68 .....	32	10 (3.7E 11)
Germanium-69 .....	32	10 (3.7E 11)
Germanium-71 .....	32	1000 (3.7E 13)
Germanium-75 .....	32	1000 (3.7E 13)
Germanium-77 .....	32	10 (3.7E 11)
Germanium-78 .....	32	1000 (3.7E 13)
Gold-193 .....	79	100 (3.7E 12)
Gold-194 .....	79	10 (3.7E 11)
Gold-195 .....	79	100 (3.7E 12)
Gold-198 .....	79	10 (3.7E 11)
Gold-198m .....	79	100 (3.7E 12)
Gold-199 .....	79	100 (3.7E 12)
Gold-200 .....	79	10 (3.7E 11)
Gold-200 .....	79	1000 (3.7E 13)
Gold-201 .....	79	1000 (3.7E 13)
Hafnium-170 .....	72	100 (3.7E 12)
Hafnium-172 .....	72	1 (3.7E 10)
Hafnium-173 .....	72	100 (3.7E 12)
Hafnium-175 .....	72	100 (3.7E 12)
Hafnium-177m .....	72	1000 (3.7E 13)
Hafnium-178m .....	72	0.1 (3.7E 9)
Hafnium-179m .....	72	100 (3.7E 12)
Hafnium-180m .....	72	100 (3.7E 12)
Hafnium-181 .....	72	10 (3.7E 11)
Hafnium-182m .....	72	100 (3.7E 12)
Hafnium-182 .....	72	0.1 (3.7E 9)

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**
**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)	Radionuclide	Atomic Number	Final RQ Ci (Bq)
Hafnium-183 .....	72	100 (3.7E 12)	Krypton-87 .....	36	10 (3.7E 11)
Hafnium-184 .....	72	100 (3.7E 12)	Krypton-88 .....	36	10 (3.7E 11)
Holmium-155 .....	67	1000 (3.7E 13)	Lanthanum-131 .....	57	1000 (3.7E 13)
Holmium-157 .....	67	1000 (3.7E 13)	Lanthanum-132 .....	57	100 (3.7E 12)
Holmium-159 .....	67	1000 (3.7E 13)	Lanthanum-135 .....	57	1000 (3.7E 13)
Holmium-161 .....	67	1000 (3.7E 13)	Lanthanum-137 .....	57	10 (3.7E 11)
Holmium-162m .....	67	1000 (3.7E 13)	Lanthanum-138 .....	57	1 (3.7E 10)
Holmium-162 .....	67	1000 (3.7E 13)	Lanthanum-140 .....	57	10 (3.7E 11)
Holmium-164m .....	67	1000 (3.7E 13)	Lanthanum-141 .....	57	1000 (3.7E 13)
Holmium-164 .....	67	1000 (3.7E 13)	Lanthanum-142 .....	57	100 (3.7E 12)
Holmium-166m .....	67	1 (3.7E 10)	Lanthanum-143 .....	57	1000 (3.7E 13)
Holmium-166 .....	67	100 (3.7E 12)	Lead-195m .....	82	1000 (3.7E 13)
Holmium-167 .....	67	100 (3.7E 12)	Lead-198 .....	82	100 (3.7E 12)
Hydrogen-3 .....	1	100 (3.7E 12)	Lead-199 .....	82	100 (3.7E 12)
Indium-109 .....	49	100 (3.7E 12)	Lead-200 .....	82	100 (3.7E 12)
Indium-110 (69.1 min) .....	49	100 (3.7E 12)	Lead-201 .....	82	100 (3.7E 12)
Indium-110 (4.9 hr) .....	49	10 (3.7E 11)	Lead-202m .....	82	10 (3.7E 11)
Indium-111 .....	49	100 (3.7E 12)	Lead-202 .....	82	1 (3.7E 10)
Indium-112 .....	49	1000 (3.7E 13)	Lead-203 .....	82	100 (3.7E 12)
Indium-113m .....	49	1000 (3.7E 13)	Lead-205 .....	82	100 (3.7E 12)
Indium-114m .....	49	10 (3.7E 11)	Lead-209 .....	82	1000 (3.7E 13)
Indium-115m .....	49	100 (3.7E 12)	Lead-210 .....	82	0.01 (3.7E 8)
Indium-115 .....	49	0.1 (3.7E 9)	Lead-211 .....	82	100 (3.7E 12)
Indium-116m .....	49	100 (3.7E 12)	Lead-212 .....	82	10 (3.7E 11)
Indium-117m .....	49	100 (3.7E 12)	Lead-214 .....	82	100 (3.7E 12)
Indium-117 .....	49	1000 (3.7E 13)	Lutetium-169 .....	71	10 (3.7E 11)
Indium-119m .....	49	1000 (3.7E 13)	Lutetium-170 .....	71	10 (3.7E 11)
Iodine-120m .....	53	100 (3.7E 12)	Lutetium-171 .....	71	10 (3.7E 11)
Iodine-120 .....	53	10 (3.7E 11)	Lutetium-172 .....	71	10 (3.7E 11)
Iodine-121 .....	53	100 (3.7E 12)	Lutetium-173 .....	71	100 (3.7E 12)
Iodine-123 .....	53	10 (3.7E 11)	Lutetium-174m .....	71	10 (3.7E 11)
Iodine-124 .....	53	0.1 (3.7E 9)	Lutetium-174 .....	71	10 (3.7E 11)
Iodine-125 .....	53	0.01 (3.7E 8)	Lutetium-176m .....	71	1000 (3.7E 13)
Iodine-126 .....	53	0.01 (3.7E 8)	Lutetium-176 .....	71	1 (3.7E 10)
Iodine-128 .....	53	1000 (3.7E 13)	Lutetium-177m .....	71	10 (3.7E 11)
Iodine-129 .....	53	0.001 (3.7E 7)	Lutetium-177 .....	71	100 (3.7E 12)
Iodine-130 .....	53	1 (3.7E 10)	Lutetium-178m .....	71	1000 (3.7E 13)
Iodine-131 .....	53	0.01 (3.7E 8)	Lutetium-178 .....	71	1000 (3.7E 13)
Iodine-132m .....	53	10 (3.7E 11)	Lutetium-179 .....	71	1000 (3.7E 13)
Iodine-132 .....	53	10 (3.7E 11)	Magnesium-28 .....	12	10 (3.7E 11)
Iodine-133 .....	53	0.1 (3.7E 9)	Manganese-51 .....	25	1000 (3.7E 13)
Iodine-134 .....	53	100 (3.7E 12)	Manganese-52m .....	25	1000 (3.7E 13)
Iodine-135 .....	53	10 (3.7E 11)	Manganese-52 .....	25	10 (3.7E 11)
Iridium-182 .....	77	1000 (3.7E 13)	Manganese-53 .....	25	1000 (3.7E 13)
Iridium-184 .....	77	100 (3.7E 12)	Manganese-54 .....	25	10 (3.7E 11)
Iridium-185 .....	77	100 (3.7E 12)	Manganese-56 .....	25	100 (3.7E 12)
Iridium-186 .....	77	10 (3.7E 11)	Mendelevium-257 .....	101	100 (3.7E 12)
Iridium-187 .....	77	100 (3.7E 12)	Mendelevium-258 .....	101	1 (3.7E 10)
Iridium-188 .....	77	10 (3.7E 11)	Mercury-193m .....	80	10 (3.7E 11)
Iridium-189 .....	77	100 (3.7E 12)	Mercury-193 .....	80	100 (3.7E 12)
Iridium-190m .....	77	1000 (3.7E 13)	Mercury-194 .....	80	0.1 (3.7E 9)
Iridium-190 .....	77	10 (3.7E 11)	Mercury-195m .....	80	100 (3.7E 12)
Iridium-192m .....	77	100 (3.7E 12)	Mercury-195 .....	80	100 (3.7E 12)
Iridium-192 .....	77	10 (3.7E 11)	Mercury-197m .....	80	1000 (3.7E 13)
Iridium-194m .....	77	10 (3.7E 11)	Mercury-197 .....	80	1000 (3.7E 13)
Iridium-194 .....	77	100 (3.7E 12)	Mercury-199m .....	80	1000 (3.7E 13)
Iridium-195m .....	77	100 (3.7E 12)	Mercury-203 .....	80	10 (3.7E 11)
Iridium-195 .....	77	1000 (3.7E 13)	Molybdenum-90 .....	42	100 (3.7E 12)
Iron-52 .....	26	100 (3.7E 12)	Molybdenum-93m .....	42	10 (3.7E 11)
Iron-55 .....	26	100 (3.7E 12)	Molybdenum-93 .....	42	100 (3.7E 12)
Iron-59 .....	26	10 (3.7E 11)	Molybdenum-99 .....	42	100 (3.7E 12)
Iron-60 .....	26	0.1 (3.7E 9)	Molybdenum-101 .....	42	1000 (3.7E 13)
Krypton-74 .....	36	10 (3.7E 11)	Neodymium-136 .....	60	1000 (3.7E 13)
Krypton-76 .....	36	10 (3.7E 11)	Neodymium-138 .....	60	1000 (3.7E 13)
Krypton-77 .....	36	10 (3.7E 11)	Neodymium-139m .....	60	100 (3.7E 12)
Krypton-79 .....	36	100 (3.7E 12)	Neodymium-139 .....	60	1000 (3.7E 13)
Krypton-81 .....	36	1000 (3.7E 13)	Neodymium-141 .....	60	1000 (3.7E 13)
Krypton-83m .....	36	1000 (3.7E 13)	Neodymium-147 .....	60	10 (3.7E 11)
Krypton-85m .....	36	100 (3.7E 12)	Neodymium-149 .....	60	100 (3.7E 12)
Krypton-85 .....	36	1000 (3.7E 13)	Neodymium-151 .....	60	1000 (3.7E 13)

**§ 302.4**

**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Neptunium-232 .....	93	1000 (3.7E 13)
Neptunium-233 .....	93	1000 (3.7E 13)
Neptunium-234 .....	93	10 (3.7E 11)
Neptunium-235 .....	93	1000 (3.7E 13)
Neptunium-236 (1.2 E 5 yr) .....	93	0.1 (3.7E 9)
Neptunium-236 (22.5 hr) .....	93	100 (3.7E 12)
Neptunium-237 .....	93	0.01 (3.7E 8)
Neptunium-238 .....	93	10 (3.7E 11)
Neptunium-239 .....	93	100 (3.7E 12)
Neptunium-240 .....	93	100 (3.7E 12)
Nickel-56 .....	28	10 (3.7E 11)
Nickel-57 .....	28	10 (3.7E 11)
Nickel-59 .....	28	100 (3.7E 12)
Nickel-63 .....	28	100 (3.7E 12)
Nickel-65 .....	28	100 (3.7E 12)
Nickel-66 .....	28	10 (3.7E 11)
Niobium-88 .....	41	100 (3.7E 12)
Niobium-89 (66 min) .....	41	100 (3.7E 12)
Niobium-89 (122 min) .....	41	100 (3.7E 12)
Niobium-90 .....	41	10 (3.7E 11)
Niobium-93m .....	41	100 (3.7E 12)
Niobium-94 .....	41	10 (3.7E 11)
Niobium-95m .....	41	100 (3.7E 12)
Niobium-95 .....	41	10 (3.7E 11)
Niobium-96 .....	41	10 (3.7E 11)
Niobium-97 .....	41	100 (3.7E 12)
Niobium-98 .....	41	1000 (3.7E 13)
Osmium-180 .....	76	1000 (3.7E 13)
Osmium-181 .....	76	100 (3.7E 12)
Osmium-182 .....	76	100 (3.7E 12)
Osmium-185 .....	76	10 (3.7E 11)
Osmium-189m .....	76	1000 (3.7E 13)
Osmium-191m .....	76	1000 (3.7E 13)
Osmium-191 .....	76	100 (3.7E 12)
Osmium-193 .....	76	100 (3.7E 12)
Osmium-194 .....	76	1 (3.7E 10)
Palladium-100 .....	46	100 (3.7E 12)
Palladium-101 .....	46	100 (3.7E 12)
Palladium-103 .....	46	100 (3.7E 12)
Palladium-107 .....	46	100 (3.7E 12)
Palladium-109 .....	46	1000 (3.7E 13)
Phosphorus-32 .....	15	0.1 (3.7E 9)
Phosphorus-33 .....	15	1 (3.7E 10)
Platinum-186 .....	78	100 (3.7E 12)
Platinum-188 .....	78	100 (3.7E 12)
Platinum-189 .....	78	100 (3.7E 12)
Platinum-191 .....	78	100 (3.7E 12)
Platinum-193m .....	78	100 (3.7E 12)
Platinum-193 .....	78	1000 (3.7E 13)
Platinum-195m .....	78	100 (3.7E 12)
Platinum-197m .....	78	1000 (3.7E 13)
Platinum-197 .....	78	1000 (3.7E 13)
Platinum-199 .....	78	1000 (3.7E 13)
Platinum-200 .....	78	100 (3.7E 12)
Plutonium-234 .....	94	1000 (3.7E 13)
Plutonium-235 .....	94	1000 (3.7E 13)
Plutonium-236 .....	94	0.1 (3.7E 9)
Plutonium-237 .....	94	1000 (3.7E 13)
Plutonium-238 .....	94	0.01 (3.7E 8)
Plutonium-239 .....	94	0.01 (3.7E 8)
Plutonium-240 .....	94	0.01 (3.7E 8)
Plutonium-241 .....	94	1 (3.7E 10)
Plutonium-242 .....	94	0.01 (3.7E 8)
Plutonium-243 .....	94	1000 (3.7E 13)
Plutonium-244 .....	94	0.01 (3.7E 8)
Plutonium-245 .....	94	100 (3.7E 12)
Polonium-203 .....	84	100 (3.7E 12)
Polonium-205 .....	84	100 (3.7E 12)
Polonium-207 .....	84	10 (3.7E 11)
Polonium-210 .....	84	0.01 (3.7E 8)

**40 CFR Ch. I (7-1-00 Edition)**

**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Potassium-40 .....	19	1 (3.7E 10)
Potassium-42 .....	19	100 (3.7E 12)
Potassium-43 .....	19	10 (3.7E 11)
Potassium-44 .....	19	100 (3.7E 12)
Potassium-45 .....	19	1000 (3.7E 13)
Praseodymium-136 .....	59	1000 (3.7E 13)
Praseodymium-137 .....	59	1000 (3.7E 13)
Praseodymium-138m .....	59	100 (3.7E 12)
Praseodymium-139 .....	59	1000 (3.7E 13)
Praseodymium-142m .....	59	1000 (3.7E 13)
Praseodymium-142 .....	59	100 (3.7E 12)
Praseodymium-143 .....	59	10 (3.7E 11)
Praseodymium-144 .....	59	1000 (3.7E 13)
Praseodymium-145 .....	59	1000 (3.7E 13)
Praseodymium-147 .....	59	1000 (3.7E 13)
Promethium-141 .....	61	1000 (3.7E 13)
Promethium-143 .....	61	100 (3.7E 12)
Promethium-144 .....	61	10 (3.7E 11)
Promethium-145 .....	61	100 (3.7E 12)
Promethium-146 .....	61	10 (3.7E 11)
Promethium-147 .....	61	10 (3.7E 11)
Promethium-148m .....	61	10 (3.7E 11)
Promethium-148 .....	61	10 (3.7E 11)
Promethium-149 .....	61	100 (3.7E 12)
Promethium-150 .....	61	100 (3.7E 12)
Promethium-151 .....	61	100 (3.7E 12)
Protactinium-227 .....	91	100 (3.7E 12)
Protactinium-228 .....	91	10 (3.7E 11)
Protactinium-230 .....	91	10 (3.7E 11)
Protactinium-231 .....	91	0.01 (3.7E 8)
Protactinium-232 .....	91	10 (3.7E 11)
Protactinium-233 .....	91	100 (3.7E 12)
Protactinium-234 .....	91	10 (3.7E 11)
Radium-223 .....	88	1 (3.7E 10)
Radium-224 .....	88	10 (3.7E 11)
Radium-225 .....	88	1 (3.7E 10)
Radium-226 $\beta$ .....	88	0.1 (3.7E 9)
Radium-227 .....	88	1000 (3.7E 13)
Radium-228 .....	88	0.1 (3.7E 9)
Radon-220 .....	86	0.1 (3.7E 9)
Radon-222 .....	86	0.1 (3.7E 9)
Rhenium-177 .....	75	1000 (3.7E 13)
Rhenium-178 .....	75	1000 (3.7E 13)
Rhenium-181 .....	75	100 (3.7E 12)
Rhenium-182 (12.7 hr) .....	75	10 (3.7E 11)
Rhenium-182 (64.0 hr) .....	75	10 (3.7E 11)
Rhenium-184m .....	75	10 (3.7E 11)
Rhenium-184 .....	75	10 (3.7E 11)
Rhenium-186m .....	75	10 (3.7E 11)
Rhenium-186 .....	75	100 (3.7E 12)
Rhenium-187 .....	75	1000 (3.7E 13)
Rhenium-188m .....	75	1000 (3.7E 13)
Rhenium-188 .....	75	1000 (3.7E 13)
Rhenium-189 .....	75	1000 (3.7E 13)
Rhodium-99m .....	45	100 (3.7E 12)
Rhodium-99 .....	45	10 (3.7E 11)
Rhodium-100 .....	45	10 (3.7E 11)
Rhodium-101m .....	45	100 (3.7E 12)
Rhodium-101 .....	45	10 (3.7E 11)
Rhodium-102m .....	45	10 (3.7E 11)
Rhodium-102 .....	45	10 (3.7E 11)
Rhodium-103m .....	45	1000 (3.7E 13)
Rhodium-105 .....	45	100 (3.7E 12)
Rhodium-106m .....	45	10 (3.7E 11)
Rhodium-107 .....	45	1000 (3.7E 13)
Rubidium-79 .....	37	1000 (3.7E 13)
Rubidium-81m .....	37	1000 (3.7E 13)
Rubidium-81 .....	37	100 (3.7E 12)
Rubidium-82m .....	37	10 (3.7E 11)
Rubidium-83 .....	37	10 (3.7E 11)

**Environmental Protection Agency**
**§ 302.4**
**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Rubidium-84 .....	37	10 (3.7E 11)
Rubidium-86 .....	37	10 (3.7E 11)
Rubidium-88 .....	37	1000 (3.7E 13)
Rubidium-89 .....	37	1000 (3.7E 13)
Rubidium-87 .....	37	10 (3.7E 11)
Ruthenium-94 .....	44	1000 (3.7E 13)
Ruthenium-97 .....	44	100 (3.7E 12)
Ruthenium-103 .....	44	10 (3.7E 11)
Ruthenium-105 .....	44	100 (3.7E 12)
Ruthenium-106 .....	44	1 (3.7E 10)
Samarium-141m .....	62	1000 (3.7E 13)
Samarium-141 .....	62	1000 (3.7E 13)
Samarium-142 .....	62	1000 (3.7E 13)
Samarium-145 .....	62	100 (3.7E 12)
Samarium-146 .....	62	0.01 (3.7E 8)
Samarium-147 .....	62	0.01 (3.7E 8)
Samarium-151 .....	62	10 (3.7E 11)
Samarium-153 .....	62	100 (3.7E 12)
Samarium-155 .....	62	1000 (3.7E 13)
Samarium-156 .....	62	100 (3.7E 12)
Scandium-43 .....	21	1000 (3.7E 13)
Scandium-44m .....	21	10 (3.7E 11)
Scandium-44 .....	21	100 (3.7E 12)
Scandium-46 .....	21	10 (3.7E 11)
Scandium-47 .....	21	100 (3.7E 12)
Scandium-48 .....	21	10 (3.7E 11)
Scandium-49 .....	21	1000 (3.7E 13)
Selenium-70 .....	34	1000 (3.7E 13)
Selenium-73m .....	34	100 (3.7E 12)
Selenium-73 .....	34	10 (3.7E 11)
Selenium-75 .....	34	10 (3.7E 11)
Selenium-79 .....	34	10 (3.7E 11)
Selenium-81m .....	34	1000 (3.7E 13)
Selenium-81 .....	34	1000 (3.7E 13)
Selenium-83 .....	34	1000 (3.7E 13)
Silicon-31 .....	14	1000 (3.7E 13)
Silicon-32 .....	14	1 (3.7E 10)
Silver-102 .....	47	100 (3.7E 12)
Silver-103 .....	47	1000 (3.7E 13)
Silver-104m .....	47	1000 (3.7E 13)
Silver-104 .....	47	1000 (3.7E 13)
Silver-105 .....	47	10 (3.7E 11)
Silver-106m .....	47	10 (3.7E 11)
Silver-106 .....	47	1000 (3.7E 13)
Silver-108m .....	47	10 (3.7E 11)
Silver-110m .....	47	10 (3.7E 11)
Silver-111 .....	47	10 (3.7E 11)
Silver-112 .....	47	100 (3.7E 12)
Silver-115 .....	47	1000 (3.7E 13)
Sodium-22 .....	11	10 (3.7E 11)
Sodium-24 .....	11	10 (3.7E 11)
Strontium-80 .....	38	100 (3.7E 12)
Strontium-81 .....	38	1000 (3.7E 13)
Strontium-83 .....	38	100 (3.7E 12)
Strontium-85m .....	38	1000 (3.7E 13)
Strontium-85 .....	38	10 (3.7E 11)
Strontium-87m .....	38	100 (3.7E 12)
Strontium-89 .....	38	10 (3.7E 11)
Strontium-90 .....	38	0.1 (3.7E 9)
Strontium-91 .....	38	10 (3.7E 11)
Strontium-92 .....	38	100 (3.7E 12)
Sulfur-35 .....	16	1 (3.7E 10)
Tantalum-172 .....	73	100 (3.7E 12)
Tantalum-173 .....	73	100 (3.7E 12)
Tantalum-174 .....	73	100 (3.7E 12)
Tantalum-175 .....	73	100 (3.7E 12)
Tantalum-176 .....	73	10 (3.7E 11)
Tantalum-177 .....	73	1000 (3.7E 13)
Tantalum-178 .....	73	1000 (3.7E 13)
Tantalum-179 .....	73	1000 (3.7E 13)

**APPENDIX B TO § 302.4—RADIONUCLIDES—  
Continued**

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Tantalum-180m .....	73	1000 (3.7E 13)
Tantalum-180 .....	73	100 (3.7E 12)
Tantalum-182m .....	73	1000 (3.7E 13)
Tantalum-182 .....	73	10 (3.7E 11)
Tantalum-183 .....	73	100 (3.7E 12)
Tantalum-184 .....	73	10 (3.7E 11)
Tantalum-185 .....	73	1000 (3.7E 13)
Tantalum-186 .....	73	1000 (3.7E 13)
Technetium-93m .....	43	1000 (3.7E 13)
Technetium-93 .....	43	100 (3.7E 12)
Technetium-94m .....	43	100 (3.7E 12)
Technetium-94 .....	43	10 (3.7E 11)
Technetium-96m .....	43	1000 (3.7E 13)
Technetium-96 .....	43	10 (3.7E 11)
Technetium-97m .....	43	100 (3.7E 12)
Technetium-97 .....	43	100 (3.7E 12)
Technetium-98 .....	43	10 (3.7E 11)
Technetium-99m .....	43	100 (3.7E 12)
Technetium-99 .....	43	10 (3.7E 11)
Technetium-101 .....	43	1000 (3.7E 13)
Technetium-104 .....	43	1000 (3.7E 13)
Tellurium-116 .....	52	1000 (3.7E 13)
Tellurium-121m .....	52	10 (3.7E 11)
Tellurium-121 .....	52	10 (3.7E 11)
Tellurium-123m .....	52	10 (3.7E 11)
Tellurium-123 .....	52	10 (3.7E 11)
Tellurium-125m .....	52	10 (3.7E 11)
Tellurium-127m .....	52	10 (3.7E 11)
Tellurium-127 .....	52	1000 (3.7E 13)
Tellurium-129m .....	52	10 (3.7E 11)
Tellurium-129 .....	52	1000 (3.7E 13)
Tellurium-131m .....	52	10 (3.7E 11)
Tellurium-131 .....	52	1000 (3.7E 13)
Tellurium-132 .....	52	10 (3.7E 11)
Tellurium-133m .....	52	1000 (3.7E 13)
Tellurium-133 .....	52	1000 (3.7E 13)
Tellurium-134 .....	52	1000 (3.7E 13)
Terbium-147 .....	65	100 (3.7E 12)
Terbium-149 .....	65	100 (3.7E 12)
Terbium-150 .....	65	100 (3.7E 12)
Terbium-151 .....	65	10 (3.7E 11)
Terbium-153 .....	65	100 (3.7E 12)
Terbium-154 .....	65	10 (3.7E 11)
Terbium-155 .....	65	100 (3.7E 12)
Terbium-156 (5.0 hr) .....	65	1000 (3.7E 13)
Terbium-156m (24.4 hr) .....	65	1000 (3.7E 13)
Terbium-156 .....	65	10 (3.7E 11)
Terbium-157 .....	65	100 (3.7E 12)
Terbium-158 .....	65	10 (3.7E 11)
Terbium-160 .....	65	10 (3.7E 11)
Terbium-161 .....	65	100 (3.7E 12)
Thallium-194m .....	81	100 (3.7E 12)
Thallium-194 .....	81	1000 (3.7E 13)
Thallium-195 .....	81	100 (3.7E 12)
Thallium-197 .....	81	100 (3.7E 12)
Thallium-198m .....	81	100 (3.7E 12)
Thallium-198 .....	81	10 (3.7E 11)
Thorium-226 .....	90	100 (3.7E 12)
Thorium-227 .....	90	1 (3.7E 10)
Thorium-228 .....	90	0.01 (3.7E 8)
Thorium-229 .....	90	0.001 (3.7E 7)
Thorium-230 .....	90	0.01 (3.7E 8)
Thorium-231 .....	90	100 (3.7E 12)
Thorium-232Φ .....	90	0.001 (3.7E 7)
Thorium-234 .....	90	100 (3.7E 12)

## § 302.5

### APPENDIX B TO § 302.4—RADIONUCLIDES— Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Thulium-162 .....	69	1000 (3.7E 13)
Thulium-166 .....	69	10 (3.7E 11)
Thulium-167 .....	69	100 (3.7E 12)
Thulium-170 .....	69	10 (3.7E 11)
Thulium-171 .....	69	100 (3.7E 12)
Thulium-172 .....	69	100 (3.7E 12)
Thulium-173 .....	69	100 (3.7E 12)
Thulium-175 .....	69	1000 (3.7E 13)
Tin-110 .....	50	100 (3.7E 12)
Tin-111 .....	50	1000 (3.7E 13)
Tin-113 .....	50	10 (3.7E 11)
Tin-117m .....	50	100 (3.7E 12)
Tin-119m .....	50	10 (3.7E 11)
Tin-121m .....	50	10 (3.7E 11)
Tin-121 .....	50	1000 (3.7E 13)
Tin-123m .....	50	1000 (3.7E 13)
Tin-123 .....	50	10 (3.7E 11)
Tin-125 .....	50	10 (3.7E 11)
Tin-126 .....	50	1 (3.7E 10)
Tin-127 .....	50	100 (3.7E 12)
Tin-128 .....	50	1000 (3.7E 13)
Titanium-44 .....	22	1 (3.7E 10)
Titanium-45 .....	22	1000 (3.7E 13)
Tungsten-176 .....	74	1000 (3.7E 13)
Tungsten-177 .....	74	100 (3.7E 12)
Tungsten-178 .....	74	100 (3.7E 12)
Tungsten-179 .....	74	1000 (3.7E 13)
Tungsten-181 .....	74	100 (3.7E 12)
Tungsten-185 .....	74	10 (3.7E 11)
Tungsten-187 .....	74	100 (3.7E 12)
Tungsten-188 .....	74	10 (3.7E 11)
Uranium-230 .....	92	1 (3.7E 10)
Uranium-231 .....	92	1000 (3.7E 13)
Uranium-232 .....	92	0.01 (3.7E 8)
Uranium-233 .....	92	0.1 (3.7E 9)
Uranium-234 .....	92	0.1 (3.7E 9)
Uranium-2350 .....	92	0.1 (3.7E 9)
Uranium-236 .....	92	0.1 (3.7E 9)
Uranium-237 .....	92	100 (3.7E 10)
Uranium-2380 .....	92	0.18 (3.7E 9)
Uranium-239 .....	92	1000 (3.7E 13)
Uranium-240 .....	92	1000 (3.7E 13)
Vanadium-47 .....	23	1000 (3.7E 13)
Vanadium-48 .....	23	10 (3.7E 11)
Vanadium-49 .....	23	1000 (3.7E 13)
Xenon-120 .....	54	100 (3.7E 12)
Xenon-121 .....	54	10 (3.7E 11)
Xenon-122 .....	54	100 (3.7E 12)
Xenon-123 .....	54	10 (3.7E 11)
Xenon-125 .....	54	100 (3.7E 12)
Xenon-127 .....	54	100 (3.7E 12)
Xenon-129m .....	54	1000 (3.7E 13)
Xenon-131m .....	54	1000 (3.7E 13)
Xenon-133m .....	54	1000 (3.7E 13)
Xenon-133 .....	54	1000 (3.7E 13)
Xenon-135m .....	54	10 (3.7E 11)
Xenon-135 .....	54	100 (3.7E 12)
Xenon-138 .....	54	10 (3.7E 11)
Ytterbium-162 .....	70	1000 (3.7E 13)
Ytterbium-166 .....	70	10 (3.7E 11)
Ytterbium-167 .....	70	1000 (3.7E 13)
Ytterbium-169 .....	70	10 (3.7E 11)
Ytterbium-175 .....	70	100 (3.7E 12)
Ytterbium-177 .....	70	1000 (3.7E 13)
Ytterbium-178 .....	70	1000 (3.7E 13)
Yttrium-86m .....	39	1000 (3.7E 13)
Yttrium-86 .....	39	10 (3.7E 11)
Yttrium-87 .....	39	10 (3.7E 11)
Yttrium-88 .....	39	10 (3.7E 11)
Yttrium-90m .....	39	100 (3.7E 12)

## 40 CFR Ch. I (7-1-00 Edition)

### APPENDIX B TO § 302.4—RADIONUCLIDES— Continued

Radionuclide	Atomic Number	Final RQ Ci (Bq)
Yttrium-90 .....	39	10 (3.7E 11)
Yttrium-91m .....	39	1000 (3.7E 13)
Yttrium-91 .....	39	10 (3.7E 11)
Yttrium-92 .....	39	100 (3.7E 12)
Yttrium-93 .....	39	100 (3.7E 12)
Yttrium-94 .....	39	1000 (3.7E 13)
Yttrium-95 .....	39	1000 (3.7E 13)
Zinc-62 .....	30	100 (3.7E 12)
Zinc-63 .....	30	1000 (3.7E 13)
Zinc-65 .....	30	10 (3.7E 11)
Zinc-69m .....	30	100 (3.7E 12)
Zinc-69 .....	30	1000 (3.7E 13)
Zinc-71m .....	30	100 (3.7E 12)
Zinc-72 .....	30	100 (3.7E 12)
Zirconium-86 .....	40	100 (3.7E 12)
Zirconium-88 .....	40	10 (3.7E 11)
Zirconium-89 .....	40	100 (3.7E 12)
Zirconium-93 .....	40	1 (3.7E 10)
Zirconium-95 .....	40	10 (3.7E 11)
Zirconium-97 .....	40	10 (3.7E 11)

Ci—Curie. The curie represents a rate of radioactive decay. One curie is the quantity of any radioactive nuclide which undergoes 3.7E 10 disintegrations per second.

Bq—Becquerel. The becquerel represents a rate of radioactive decay. One becquerel is the quantity of any radioactive nuclide which undergoes one disintegration per second. One curie is equal to 3.7E 10 becquerel.

<sup>a</sup>—Final RQs for all radionuclides apply to chemical compounds containing the radionuclides and elemental forms regardless of the diameter of pieces of solid material.

<sup>b</sup>—The adjusted RQ of one curie applies to all radionuclides not otherwise listed. Whenever the RQs in table 302.4 and this appendix to the table are in conflict, the lowest RQ shall apply. For example, uranyl acetate and uranyl nitrate have adjusted RQs shown in table 302.4 of 100 pounds, equivalent to about one-tenth the RQ level for uranium-238 listed in this appendix.

<sup>c</sup>—Exponent to the base 10. For example, 1.3E 2 is equal to 130 while 1.3E 3 is equal to 1300.

<sup>m</sup>—Signifies a nuclear isomer which is a radionuclide in a higher energy metastable state relative to the parent isotope.

<sup>φ</sup>—Notification requirements for releases of mixtures or solutions of radionuclides can be found in § 302.6(b) of this rule. Final RQs for the following four common radionuclide mixtures are provided: radium-226 in secular equilibrium with its daughters (0.053 curie); natural uranium (0.1 curie); natural uranium in secular equilibrium with its daughters (0.052 curie); and natural thorium in secular equilibrium with its daughters (0.011 curie).

[54 FR 33449, Aug. 14, 1989]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 302.4, see the List of CFR Sections Affected in the Finding Aids section of this volume.

### § 302.5 Determination of reportable quantities.

(a) *Listed hazardous substances.* The quantity listed in the column ‘‘Final RQ’’ for each substance in table 302.4, or in appendix B to table 302.4, is the reportable quantity (RQ) for that substance. The RQs in table 302.4 are in units of pounds based on chemical toxicity, while the RQs in appendix B to table 302.4 are in units of curies based on radiation hazard. Whenever the RQs

**Environmental Protection Agency****§ 302.6**

in table 302.4 and appendix B to the table are in conflict, the lowest RQ shall apply.

(b) *Unlisted hazardous substances.* Unlisted hazardous substances designated by 40 CFR 302.4(b) have the reportable quantity of 100 pounds, except for those unlisted hazardous wastes which exhibit extraction procedure (EP) toxicity identified in 40 CFR 261.24. Unlisted hazardous wastes which exhibit EP toxicity have the reportable quantities listed in table 302.4 for the contaminant on which the characteristic of EP toxicity is based. The reportable quantity applies to the waste itself, not merely to the toxic contaminant. If an unlisted hazardous waste exhibits EP toxicity on the basis of more than one contaminant, the reportable quantity for that waste shall be the lowest of the reportable quantities listed in table 302.4 for those contaminants. If an unlisted hazardous waste exhibits the characteristic of EP toxicity and one or more of the other characteristics referenced in 40 CFR 302.4(b), the reportable quantity for that waste shall be the lowest of the applicable reportable quantities.

[51 FR 34547, Sept. 29, 1987, as amended at 54 FR 22538, May 24, 1989]

**§ 302.6 Notification requirements.**

(a) Any person in charge of a vessel or an offshore or an onshore facility shall, as soon as he has knowledge of any release (other than a federally permitted release or application of a pesticide) of a hazardous substance from such vessel or facility in a quantity equal to or exceeding the reportable quantity determined by this part in any 24-hour period, immediately notify the National Response Center ((800) 424-8802; in Washington, DC (202) 426-2675).

(b) Releases of mixtures or solutions (including hazardous waste streams) of

(1) Hazardous substances, except for radionuclides, are subject to the following notification requirements:

(i) If the quantity of all of the hazardous constituent(s) of the mixture or solution is known, notification is required where an RQ or more of any hazardous constituent is released;

(ii) If the quantity of one or more of the hazardous constituent(s) of the

mixture or solution is unknown, notification is required where the total amount of the mixture or solution released equals or exceeds the RQ for the hazardous constituent with the lowest RQ; or

(iii) For waste streams K169, K170, K171, and K172, knowledge of the quantity of all of the hazardous constituent(s) may be assumed, based on the following maximum observed constituent concentrations identified by EPA:

Waste	Constituent	Max ppm
K169	Benzene .....	220.0
	Benzene .....	1.2
K170	Benzo (a) pyrene .....	230.0
	Dibenz (a,h) anthracene .....	49.0
	Benzo (a) anthracene .....	390.0
	Benzo (b) fluoranthene .....	110.0
	Benzo (k) fluoranthene .....	110.0
	3-Methylcholanthrene .....	27.0
	7,12-Dimethylbenz (a) anthracene ....	1,200.0
	Benzene .....	500.0
	Arsenic .....	1,600.0
	Benzene .....	100.0
K171	Arsenic .....	730.0
K172	Benzene .....	

(2) Radionuclides are subject to this section's notification requirements only in the following circumstances:

(i) If the identity and quantity (in curies) of each radionuclide in a released mixture or solution is known, the ratio between the quantity released (in curies) and the RQ for the radionuclide must be determined for each radionuclide. The only such releases subject to this section's notification requirements are those in which the sum of the ratios for the radionuclides in the mixture or solution released is equal to or greater than one.

(ii) If the identity of each radionuclide in a released mixture or solution is known but the quantity released (in curies) of one or more of the radionuclides is unknown, the only such releases subject to this section's notification requirements are those in which the total quantity (in curies) of the mixture or solution released is equal to or greater than the lowest RQ of any individual radionuclide in the mixture or solution.

(iii) If the identity of one or more radionuclides in a released mixture or solution is unknown (or if the identity of a radionuclide released by itself is

## § 302.7

unknown), the only such releases subject to this section's notification requirements are those in which the total quantity (in curies) released is equal to or greater than either one curie or the lowest RQ of any known individual radionuclide in the mixture or solution, whichever is lower.

(c) The following categories of releases are exempt from the notification requirements of this section:

(1) Releases of those radionuclides that occur naturally in the soil from land holdings such as parks, golf courses, or other large tracts of land.

(2) Releases of naturally occurring radionuclides from land disturbance activities, including farming, construction, and land disturbance incidental to extraction during mining activities, except that which occurs at uranium, phosphate, tin, zircon, hafnium, vanadium, monazite, and rare earth mines. Land disturbance incidental to extraction includes: land clearing; overburden removal and stockpiling; excavating, handling, transporting, and storing ores and other raw (not beneficiated or processed) materials; and replacing in mined-out areas coal ash, earthen materials from farming or construction, or overburden or other raw materials generated from the exempted mining activities.

(3) Releases of radionuclides from the dumping and transportation of coal and coal ash (including fly ash, bottom ash, and boiler slags), including the dumping and land spreading operations that occur during coal ash uses.

(4) Releases of radionuclides from piles of coal and coal ash, including fly ash, bottom ash, and boiler slags.

(d) Except for releases of radionuclides, notification of the release of an RQ of solid particles of antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, or zinc is not required if the mean diameter of the particles released is larger than 100 micrometers (0.004 inches).

[50 FR 13474, Apr. 4, 1985, as amended at 54 FR 22538, May 24, 1989; 54 FR 33481, Aug. 14, 1989; 63 FR 13475, Mar. 19, 1998; 63 FR 42189, Aug. 6, 1998; 64 FR 13114, Mar. 17, 1999]

## § 302.7 Penalties.

(a) Any person—

## 40 CFR Ch. I (7-1-00 Edition)

(1) In charge of a vessel from which a hazardous substance is released, other than a federally permitted release, into or upon the navigable waters of the United States, adjoining shorelines, or into or upon the waters of the contiguous zone,

(2) In charge of a vessel from which a hazardous substance is released, other than a federally permitted release, which may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States (including resources under the Fishery Conservation and Management Act of 1976), and who is otherwise subject to the jurisdiction of the United States at the time of the release, or

(3) In charge of a facility from which a hazardous substance is released, other than a federally permitted release, in a quantity equal to or greater than that reportable quantity determined under this part who fails to notify immediately the National Response Center as soon as he has knowledge of such release shall be subject to all of the sanctions, including criminal penalties, set forth in section 103 of the Act with respect to such failure to notify.

(b) Notification received pursuant to this section or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except a prosecution for perjury or for giving a false statement.

(c) This section shall not apply to the application of a pesticide product registered under the Federal Insecticide, Fungicide, and Rodenticide Act or to the handling and storage of such a pesticide product by an agricultural producer.

## § 302.8 Continuous releases.

(a) Except as provided in paragraph (c) of this section, no notification is required for any release of a hazardous substance that is, pursuant to the definitions in paragraph (b) of this section, continuous and stable in quantity and rate.

(b) *Definitions.* The following definitions apply to notification of continuous releases:

**Environmental Protection Agency****§ 302.8**

*Continuous.* A continuous release is a release that occurs without interruption or abatement or that is routine, anticipated, and intermittent and incidental to normal operations or treatment processes.

*Normal range.* The normal range of a release is all releases (in pounds or kilograms) of a hazardous substance reported or occurring over any 24-hour period under normal operating conditions during the preceding year. Only releases that are both continuous and stable in quantity and rate may be included in the normal range.

*Routine.* A routine release is a release that occurs during normal operating procedures or processes.

*Stable in quantity and rate.* A release that is stable in quantity and rate is a release that is predictable and regular in amount and rate of emission.

*Statistically significant increase.* A statistically significant increase in a release is an increase in the quantity of the hazardous substance released above the upper bound of the reported normal range of the release.

(c) *Notification.* The following notifications shall be given for any release qualifying for reduced reporting under this section:

(1) Initial telephone notification;  
(2) Initial written notification within 30 days of the initial telephone notification;

(3) Follow-up notification within 30 days of the first anniversary date of the initial written notification;

(4) Notification of a change in the composition or source(s) of the release or in the other information submitted in the initial written notification of the release under paragraph (c)(2) of this section or the follow-up notification under paragraph (c)(3) of this section; and

(5) Notification at such times as an increase in the quantity of the hazardous substance being released during any 24-hour period represents a statistically significant increase as defined in paragraph (b) of this section.

(d) *Initial telephone notification.* Prior to making an initial telephone notification of a continuous release, the person in charge of a facility or vessel must establish a sound basis for qualifi-

fying the release for reporting under CERCLA section 103(f)(2) by:

(1) Using release data, engineering estimates, knowledge of operating procedures, or best professional judgment to establish the continuity and stability of the release;

(2) Reporting the release to the National Response Center for a period sufficient to establish the continuity and stability of the release; or

(3) When a person in charge of the facility or vessel believes that a basis has been established to qualify the release for reduced reporting under this section, initial notification to the National Response Center shall be made by telephone. The person in charge must identify the notification as an initial continuous release notification report and provide the following information:

(i) The name and location of the facility or vessel; and

(ii) The name(s) and identity(ies) of the hazardous substance(s) being released.

(e) *Initial written notification.* Initial written notification of a continuous release shall be made to the appropriate EPA Regional Office for the geographical area where the releasing facility or vessel is located. (Note: In addition to the requirements of this part, releases of CERCLA hazardous substances are also subject to the provisions of SARA title III section 304, and EPA's implementing regulations codified at 40 CFR part 355, which require initial telephone and written notifications of continuous releases to be submitted to the appropriate State emergency response commission and local emergency planning committee.)

(1) Initial written notification to the appropriate EPA Regional Office shall occur within 30 days of the initial telephone notification to the National Response Center, and shall include, for each release for which reduced reporting as a continuous release is claimed, the following information:

(i) The name of the facility or vessel; the location, including the latitude and longitude; the case number assigned by the National Response Center or the Environmental Protection Agency; the

## § 302.8

Dun and Bradstreet number of the facility, if available; the port of registration of the vessel; the name and telephone number of the person in charge of the facility or vessel.

(ii) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(iii) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(iv) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information must be supplied:

(A) The name/identity of the hazardous substance; the Chemical Abstracts Service Registry Number for the substance (if available); and if the substance being released is a mixture, the components of the mixture and their approximate concentrations and quantities, by weight.

(B) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

(C) The source(s) of the release (e.g., valves, pump seals, storage tank vents, stacks). If the release is from a stack, the stack height (in feet or meters).

(D) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(E) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(F) An estimate of the total annual amount that was released in the previous year (in pounds or kilograms).

(G) The environmental medium(a) affected by the release:

(1) If surface water, the name of the surface water body;

(2) If a stream, the stream order or average flowrate (in cubic feet/second) and designated use;

(3) If a lake, the surface area (in acres) and average depth (in feet or meters);

## 40 CFR Ch. I (7-1-00 Edition)

(4) If on or under ground, the location of public water supply wells within two miles.

(H) A signed statement that the hazardous substance release(s) described is(are) continuous and stable in quantity and rate under the definitions in paragraph (a) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(f) *Follow-up notification.* Within 30 days of the first anniversary date of the initial written notification, the person in charge of the facility or vessel shall evaluate each hazardous substance release reported to verify and update the information submitted in the initial written notification. The follow-up notification shall include the following information:

(1) The name of the facility or vessel; the location, including the latitude and longitude; the case number assigned by the National Response Center or the Environmental Protection Agency; the Dun and Bradstreet number of the facility, if available; the port of registration of the vessel; the name and telephone number of the person in charge of the facility or vessel.

(2) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(3) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(4) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information shall be supplied:

(i) The name/identity of the hazardous substance; the Chemical Abstracts Service Registry Number for the substance (if available); and if the substance being released is a mixture, the components of the mixture and their approximate concentrations and quantities, by weight.

(ii) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

**Environmental Protection Agency****§ 302.8**

(iii) The source(s) of the release (e.g., valves, pump seals, storage tank vents, stacks). If the release is from a stack, the stack height (in feet or meters).

(iv) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(v) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(vi) An estimate of the total annual amount that was released in the previous year (in pounds or kilograms).

(vii) The environmental medium(a) affected by the release:

(A) If surface water, the name of the surface water body;

(B) If a stream, the stream order or average flowrate (in cubic feet/second) and designated use;

(C) If a lake, the surface area (in acres) and average depth (in feet or meters);

(D) If on or under ground, the location of public water supply wells within two miles.

(viii) A signed statement that the hazardous substance release(s) is(are) continuous and stable in quantity and rate under the definitions in paragraph (a) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(g) *Notification of changes in the release.* If there is a change in the release, notification of the change, not otherwise reported, shall be provided in the following manner:

(1) *Change in source or composition.* If there is any change in the composition or source(s) of the release, the release is a new release and must be qualified for reporting under this section by the submission of initial telephone notification and initial written notification in accordance with paragraphs (c) (1) and (2) of this section as soon as there is a sufficient basis for asserting that the release is continuous and stable in quantity and rate;

(2) *Change in the normal range.* If there is a change in the release such that the quantity of the release exceeds the upper bound of the reported normal range, the release must be reported as a statistically significant in-

crease in the release. If a change will result in a number of releases that exceed the upper bound of the normal range, the person in charge of a facility or vessel may modify the normal range by:

(i) Reporting at least one statistically significant increase report as required under paragraph (c)(7) of this section and, at the same time, informing the National Response Center of the change in the normal range; and

(ii) Submitting, within 30 days of the telephone notification, written notification to the appropriate EPA Regional Office describing the new normal range, the reason for the change, and the basis for stating that the release in the increased amount is continuous and stable in quantity and rate under the definitions in paragraph (b) of this section.

(3) *Changes in other reported information.* If there is a change in any information submitted in the initial written notification or the followup notification other than a change in the source, composition, or quantity of the release, the person in charge of the facility or vessel shall provide written notification of the change to the EPA Region for the geographical area where the facility or vessel is located, within 30 days of determining that the information submitted previously is no longer valid. Notification shall include the reason for the change, and the basis for stating that the release is continuous and stable under the changed conditions.

(4) Notification of changes shall include the case number assigned by the National Response Center or the Environmental Protection Agency and also the signed certification statement required at (c)(2)(xi) of this section.

(h) *Notification of a statistically significant increase in a release.* Notification of a statistically significant increase in a release shall be made to the National Response Center as soon as the person in charge of the facility or vessel has knowledge of the increase. The release must be identified as a statistically significant increase in a continuous release. A determination of whether an increase is a "statistically significant increase" shall be made based upon calculations or estimation procedures

## § 302.8

## 40 CFR Ch. I (7-1-00 Edition)

that will identify releases that exceed the upper bound of the reported normal range.

(i) *Annual evaluation of releases.* Each hazardous substance release shall be evaluated annually to determine if changes have occurred in the information submitted in the initial written notification, the followup notification, and/or in a previous change notification.

(j) *Use of the SARA Title III section 313 form.* In lieu of an initial written report or a followup report, owners or operators of facilities subject to the requirements of SARA title III section 313 may submit to the appropriate EPA Regional Office for the geographical area where the facility is located, a copy of the Toxic Release Inventory form submitted under SARA Title III section 313 the previous July 1, provided that the following information is added:

(1) The population density within a one-mile radius of the facility or vessel, described in terms of the following ranges: 0-50 persons, 51-100 persons, 101-500 persons, 501-1,000 persons, more than 1,000 persons.

(2) The identity and location of sensitive populations and ecosystems within a one-mile radius of the facility or vessel (e.g., elementary schools, hospitals, retirement communities, or wetlands).

(3) For each hazardous substance release claimed to qualify for reporting under CERCLA section 103(f)(2), the following information must be supplied:

(i) The upper and lower bounds of the normal range of the release (in pounds or kilograms) over the previous year.

(ii) The frequency of the release and the fraction of the release from each release source and the specific period over which it occurs.

(iii) A brief statement describing the basis for stating that the release is continuous and stable in quantity and rate.

(iv) A signed statement that the hazardous substance release(s) is(are) continuous and stable in quantity and rate under the definitions in paragraph (b) of this section and that all reported information is accurate and current to the best knowledge of the person in charge.

(k) *Documentation supporting notification.* Where necessary to satisfy the requirements of this section, the person in charge may rely on recent release data, engineering estimates, the operating history of the facility or vessel, or other relevant information to support notification. All supporting documents, materials, and other information shall be kept on file at the facility, or in the case of a vessel, at an office within the United States in either a port of call, a place of regular berthing, or the headquarters of the business operating the vessel. Supporting materials shall be kept on file for a period of one year and shall substantiate the reported normal range of releases, the basis for stating that the release is continuous and stable in quantity and rate, and the other information in the initial written report, the followup report, and the annual evaluations required under paragraphs (e), (f), and (i), respectively. Such information shall be made available to EPA upon request as necessary to enforce the requirements of this section.

(l) *Multiple concurrent releases.* Multiple concurrent releases of the same substance occurring at various locations with respect to contiguous plants or installations upon contiguous grounds that are under common ownership or control may be considered separately or added together in determining whether such releases constitute a continuous release or a statistically significant increase under the definitions in paragraph (b) of this section; whichever approach is elected for purposes of determining whether a release is continuous also must be used to determine a statistically significant increase in the release.

(m) *Penalties for failure to comply.* The reduced reporting requirements provided for under this section shall apply only so long as the person in charge complies fully with all requirements of paragraph (c) of this section. Failure to comply with respect to any release from the facility or vessel shall subject the person in charge to all of the reporting requirements of § 302.6 for each such release, to the penalties under § 302.7, and to any other applicable penalties provided for by law.

[55 FR 30185, July 24, 1990]